

19980903.qrp v01_n203.qrs.980903

Date: Thu, 3 Sep 1998 19:03:12 EDT
From: qrp-l@Lehigh.EDU
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: QRP-L digest 1203

QRP-L Digest 1203

Topics covered in this issue include:

- 1) [19149] Heath crosses 417-118, 162
by "rohre" <rohre@arlut.utexas.edu>
- 2) [19150] Antenna Help
by SEAB&SHARON LYON <SSLYON@worldnet.att.net>
- 3) [19151] Re: Apples and Oranges
by Paul Harden <pharden@aoc.nrao.edu>
- 4) [19152] Re: Using "Gibson Girls" & big rigs for QRP &c
by nilsbull@juno.com (Nils R Young)
- 5) [19153] Re: mobile
by "John J. McDonough" <jjmcd@tm.net>
- 6) [19154] Trade: F/W 97 for SS 98 QRPp
by hudog <hudog@sparc.isl.net>
- 7) [19155] Antenna Help Thanks
by Zenith9zn@aol.com
- 8) [19156] Re: Low Power
by "Vincent Ferme" <vferme@sprint.ca>
- 9) [19157] G3YCC LIMITED SPACE ANTLERS
by ARDUJENSKI@aol.com
- 10) [19158] Re: 11-2-10
by "Radman" <radman@best.com>
- 11) [19159] Re: Polyvaricon Capacitor
by w4bws@juno.com (Donald E Sanders)
- 12) [19160] Re: NERDS Antennas-KISS
by "Bill Todd" <bill@willapabay.org>
- 13) [19161] Those Poly-thingy caps
by "Beaks" <beaks@westco.net>
- 14) [19162] Evaluate/Recharge Old Gel Cell Batteries
by SMurph555@aol.com
- 15) [19163] Antenna Help: forgot to provide the web site
by SEAB&SHARON LYON <SSLYON@worldnet.att.net>
- 16) [19164] Re: Using "Gibson Girls" & big rigs for QRP &c
by Roger Hightower <n7kt@earthlink.net>
- 17) [19165] re: QRP To The Field
by k5zty@juno.com
- 18) [19166] Re: 11-2-10
by John Rollins <rexstout@uswest.net>
- 19) [19167] gibson girls and glory day rigs

- by Ab7wy@aol.com
- 20) [19168] Re: Evaluate/Recharge Old Gel Cell Batteries
by Fred Chen <fred@asl-labs.bc.ca>
 - 21) [19169] Re: Polyvaricon Capacitor--an alternative
by Charlie Lofgren <clofgren@BENSON.MCKENNA.EDU>
 - 22) [19170] SW40+ No Output
by Kevin Walker <KB9NUN@compuserve.com>
 - 23) [19171] Re: Evaluate/Recharge Old Gel Cell Batteries
by Paula Bailey <pmbail01@ox.slug.louisville.edu>
 - 24) [19172] anybody know py4pz
by bob evinger <revinger@marshallonline.com>
 - 25) [19173] Re: Low Power
by w4pj@w4bkx.ampr.org
 - 26) [19174] Fists, thanks
by bob evinger <revinger@marshallonline.com>
 - 27) [19175] RE: py4pz
by bob evinger <revinger@marshallonline.com>
 - 28) [19176] MFJ news letter
by RangerSF5@aol.com
 - 29) [19177] NA Sprint idea
by Monte Stark <ku7y@dri.edu>
 - 30) [19178] Delay line, thanks.
by Paolo Sassoli <Paolo.Sassoli@italtel.it>
 - 31) [19179] 30 dB of receive gain? -- the Germans are going for it...!
by "Radman" <radman@best.com>
 - 32) [19180] AB5L QSY, W6TNS QRPmw, Duck
by mnhopkins@juno.com (Michael N Hopkins)
 - 33) [19181] Re: NA Sprint idea
by Chris Cartwright <ccart@dns.vidtel.com>
 - 34) [19182] Elvis and Polyvaricon -- demystified
by "Radman" <radman@best.com>
 - 35) [19183] Re: QST 1973/74
by Thomas Roth <th.roth@apc.de>
 - 36) [19184] gear for sale?
by "Mullins, Michael (MJ)" <MJMULLINS@dow.com>
 - 37) [19185] RE: Apples and Oranges
by "Tracy, Michael, KC1SX" <mtracy@arrl.org>
 - 38) [19186] Re: anybody know py4pz
by "Vincent Ferme" <vferme@sprint.ca>
 - 39) [19187] SITE FOR SORE EYES (QRP)
by ARDUJENSKI@aol.com
 - 40) [19188] RE: Polyvaricon Capacitor
by "Randy Moore" <wr.moore@worldnet.att.net>
 - 41) [19189] Re: 30 dB of receive gain? -- the Germans are going for it...\!
by Zack Lau <zlau@arrl.org>
 - 42) [19190] parts from a tv
by Scott Howell <showell@hq.nasa.gov>
 - 43) [19191] Re: Apples and Oranges

- by Zack Lau <zlau@arrl.org>
- 44) [19192] Re: 30 dB of receive gain? -- the Germans are going for it...\!
by w4bws@juno.com (Donald E Sanders)
- 45) [19193] CB to 10 Conversions
by "Charles O. Henderson" <5400@email.msn.com>
- 46) [19194] re: QRP To The Field
by Bob Hightower <ki7mn@dancris.com>
- 47) [19195] Ten-Tec kits
by marion@montana.com
- 48) [19196] RE: CB to 10 Conversions
by "Kevin Muenzler WB5RUE" <wb5rue@stic.net>
- 49) [19197] 20m - GOOD SHOW!
by kreinbd@ccgate.dl.nec.com (David Kreinberg)
- 50) [19198] DQOD
by jeverhar@cse.l-3com.com
- 51) [19199] re: QRP To The Field
by Ronald_A_Pfeiffer@res.raytheon.com
- 52) [19200] RE: Elvis and Polyvaricon -- demystified
by cy r currier <crc3@telplus.net>
- 53) [19201] RE: DQOD
by "Kevin Muenzler WB5RUE" <wb5rue@stic.net>
- 54) [19202] First Wireless Transmission Special Event
by Barry Keating <barry.p.keating.1@nd.edu>
- 55) [19203] Re: Low Power
by Zack Lau <zlau@arrl.org>
- 56) [19204] DX on 20 Meters
by "Ken & Linda Burrough" <ne0c@1st.net>
- 57) [19205] Forgot to Add
by "Ken & Linda Burrough" <ne0c@1st.net>
- 58) [19206] DK3 UPDATE 3-SEP-98
by Chris Cartwright <ccart@dns.vidtel.com>
- 59) [19207] Re: Elvis and Polyvaricon -- demystified
by "Richard E. Robinson" <rerobins@email.uncc.edu>
- 60) [19208] Re: 30 dB of receive gain? -- the Germans are going for it...\!
by Zack Lau <zlau@arrl.org>
- 61) [19209] RE: First Wireless Transmission Special Event
by "Kevin Muenzler WB5RUE" <wb5rue@stic.net>
- 62) [19210] RE: Polyvaricon Capacitor
by "Dan Hanson" <kd6rxz@hotmail.com>
- 63) [19211] CQC Meeting Saturday
by "Marshall Emm" <mgemm@mtechnologies.com>
- 64) [19212] TEN -TEN 1340
by marion@montana.com
- 65) [19213] Re: Elvis and Polyvaricon -- demystified
by "George T. Baker" <w5yr@swbell.net>
- 66) [19214] Re: Ten-Tec kits
by "George T. Baker" <w5yr@swbell.net>
- 67) [19215] Re: 11-2-10, FAQ's

- by Steven Weber <kd1jv@moose.ncia.net>
- 68) [19216] QRP Afield / the natives are restless
by Bensondj@aol.com
- 69) [19217] QRP Baluns
by "James R. Duffey" <ji3m@maxwell.com>
- 70) [19218] Re: First Wireless Transmission Special Event
by KC5TJA <kc5tja@topaz.axisinternet.com>
- 71) [19219] Gibson Girl questions
by Greg Weinfurtner <gweinfurt1@ohiou.edu>
- 72) [19220] Re: Ten-Tec kits
by nhoop@centuryinter.net (N H)
- 73) [19221] Re: Ten-Tec kits
by "Don McKechnie" <donmck@erinet.com>
- 74) [19222] Re: Rectangular Meter hole
by Tellefsen Bob-CNSE97 <cns97@lmpsil02.comm.mot.com>
- 75) [19223] DK3
by "Jeff M. Gold" <JGold@tntech.edu>
- 76) [19224] Unbuilt Heathkits All Gone, Except Color TV
by RobCap@aol.com
- 77) [19225] CB to 10, 38 cites from 73 Mag.
by mnhopkins@juno.com (Michael N Hopkins)
- 78) [19226] RE: py4pz
by "Karl Kanalz - Dallas" <kkanalz@optelinc.com>
- 79) [19227] Sale
by "Stephen W. Gibson" <wb4nbi@erols.com>
- 80) [19228] SG-2020
by Denton Bramwell W7DB <Denton@Bramwell.Org>
- 81) [19229] Tnx for 20 meter rig advice
by Armstrongs <barmstrong@mail.SISNA.com>
- 82) [19230] Kits
by tmjpain@mindspring.com (Tom Lundeen)
- 83) [19231] Re: py4pz
by "John J. McDonough" <jjmcd@tm.net>
- 84) [19232] Kits quote considered, lauded
by mnhopkins@juno.com (Michael N Hopkins)
- 85) [19233] MRF237 specs question
by Allan Taylor K7GT <k7gt@qsl.net>
- 86) [19234] 20 M SSB
by Steven Weber <kd1jv@moose.ncia.net>
- 87) [19235] The Best of Qrp-1 or GQRP-1
by "Randy Jouett" <nop@swbell.net>
- 88) [19236] SG 2020
by Kathi Hilton <kathi2@earthlink.net>
- 89) [19237] Xmitter Based on 2N3553
by "Randy Jouett" <nop@swbell.net>
- 90) [19238] Help w/DX Call
by "Wilford D. Lindsey" <70511.3041@compuserve.com>
- 91) [19239] Need HELP!!

- by RangerSF5@aol.com
- 92) [19240] Re: Help w/DX Call
by Vic Rosenthal <rakefet@rakefet.com>
- 93) [19241] Dumb QSL Question
by Chris Cartwright <ccart@dns.vidtel.com>
- 94) [19242] Car Battery
by Jack Sterba <kb9leb@geocities.com>
- 95) [19243] Found it
by RangerSF5@aol.com
- 96) [19244] NA Sprint
by Monte Stark <ku7y@dri.edu>
- 97) [19245] Re: Dumb QSL Question
by Monte Stark <ku7y@dri.edu>
- 98) [19246] RE: Dumb QSL Question
by "Kevin Muenzler WB5RUE" <wb5rue@stic.net>
- 99) [19247] RE: Car Battery
by Denton Bramwell W7DB <Denton@Bramwell.Org>
- 100) [19248] NA Sprint, Exchange
by Monte Stark <ku7y@dri.edu>
- 101) [19249] Re: [TenTec] Corsair II sidetone
by Ronald Hands <rhands@hwcen.org>
- 102) [19250] Re: Car Battery
by David Fouchey <dafouche@jax-inter.net>
- 103) [19251] Re: Dumb QSL Question
by Roger Hightower <n7kt@earthlink.net>
- 104) [19252] Re: Car Battery
by Fred Chen <fred@asl-labs.bc.ca>
- 105) [19253] RCVD: MRF237 specs. THANKS
by Allan Taylor K7GT <k7gt@qsl.net>
- 106) [19254] argonaut 509
by bkobie@webtv.net (patrick obrien)
- 107) [19255] Re: First Wireless Transmission Special Event
by Paul Helbert <phelbert@rica.net>
- 108) [19256] [Re]Help w/DX Call--TKS!
by "Wilford D. Lindsey" <70511.3041@compuserve.com>
- 109) [19257] Re: FISTS what is it
by kd5ckp_ars@juno.com (Tim Billingsley)
- 110) [19258] a big THANK YOU...
by Chris Cieslak <ccieslak@LAW.UIUC.EDU>
- 111) [19259] Re: Kits
by Paul Helbert <phelbert@rica.net>

Date: 2 Sep 1998 18:06:00 -0500
From: "rohre" <rohre@arlut.utexas.edu>
To: qrp-l@Lehigh.EDU
Subject: [19149] Heath crosses 417-118, 162

Message-ID: <n1307362867.38275@msmailgw1.arlut.utexas.edu>

The 417-xxx denotes a Heath house numbered semiconductor.

The NTE replacement semiconductors guide, 6th edition, lists the 417-118 as being the NTE 123AP. NPN, Silicon TO 92, IC 0.6 Amp, C-B 75 volts, C-E 40 volts, E-B 6 volts, hfe 200, Pc 625 mw, and 300 MHz.

This is a general purpose audio silicon type, which has similar properties to the 2N440x series I think off the top of my head.

417-162 crosses to NTE 130, NPN, TO 3, silicon, Audio, Ic 15 Amps, C-B 100 volts, C-E 60 volts, E-B 7 volts, hfe 45, and Pc 115 Watts. Maybe close to a 2N3055, but check the voltage needed in this application. (The 3055 crosses to this same NTE 130 number.)

Should find suitable replacements to these specs at Radio Shack.

-Stuart K5KVH

rohre@arlut.utexas.edu

Date: Wed, 2 Sep 1998 23:16:40 +0000
From: SEAB&SHARON LYON <SSLYON@worldnet.att.net>
To: Zenith9zn@aol.com, qrp-1@Lehigh.EDU
Subject: [19150] Antenna Help
Message-ID: <19980902231640.BHPW1386@LOCALNAME>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

John... by all means check out L. B. Cebik's web page. Not only is he an absolute national treasure on antenna modeling & applications, you'll have fun LEARNING about various aspects of a very facinating part of ham radio.

As for your particular situation, you might try:

- 1.) DIPOLE, under roof peak, coax fed. Experience with that will be good "baseline" ref. for future experiments.
- 2.) Try variations on the Self-Contained-Vertical theme: They don't require quirky radials, etc., they are very compact, -esp. the "magnetic slot", and they'll satisfy your DX yearnings in situations where nothing else will. Good luck, and KEEP US POSTED!

-S-

////////////////////////////////////

At 11:23 PM 9/1/98 EDT, you wrote:

>Hello, I got my Ten Tec Tkit 1340 ready to roll, but am comteplating what to
>do about a antenna. I am fortunate to live in one of those neighborhoods where

>outdoor antennas are a no-no. I have a one story home with the peak in the
>attic about 20 feet above ground. I also have one of the concrete tiled
>roofs. What will that do if my antenna is in the attic? Should I make a
>portable antenna to put up only when in use (Inverted V)? I am looking for
>any comments you may have. Thx for your help. 73"s John KB4UTV Gilbert,
>Arizona PS I want to keep this as simple and cheap as possible.

>

>

Seab Lyon, AA1MY, Beacon, NY, USA
ARRL; QRP ACRI# 9253; QRP-L#574;
NEQRP# 511; C.A.R.A.(Danbury CT):
<http://www.danbury.org/org/cara/>

Date: Wed, 2 Sep 1998 17:24:29 -0600 (MDT)
From: Paul Harden <pharden@aoc.nrao.edu>
To: "Tracy, Michael, KC1SX" <mtracy@arrl.org>
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [19151] Re: Apples and Oranges
Message-ID: <Pine.SOL.3.91.980902163635.2802A-100000@zia>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

I was finally able to borrow a copy of the September 1998 QST to look at the near perfect spectral plots on the Ten Tec 1340 review. And I have to agree with others ... the information presented in the article is comparing "apples to oranges" in my opinion. A "spectral display" is a wide-band display to show emission power at the fundamental, a couple of harmonics, and anyother products that might be present.

In the QST article, (fig. 7 page 76) labeled "spectral display," does not show the fundamental power but rather a mere 2KHz to 22KHz from the fundamental, missing the 2nd harmonic by 7 MHz!

THIS IS NOT A SPECTRAL DISPLAY, but merely showing the close-in phase noise ... which incidentally, is a measure of merit of the oscillator stage(s), not the transmitter.

On Mon, 24 Aug 1998, Tracy, Michael, KC1SX wrote:

> Generally, QST Product Reviews omit transmit spectral purity plots
> because they only offer a small amount of visual information (perhaps 1-5
> spurs in addition to the carrier) relative to the amount of occupied
> space.

I disagree with this. A spectral display showing the fundamental and say the 2nd and 3rd harmonics is proof positive that the transmitter is within FCC compliance. It contains far more information than a 20 KHz phase noise plot that is a flat line, which contains zero visual information.

> Regarding the Ten-Tec 1340, the spectral purity was quite good for a
> relatively simple QRP rig. The spur at 47 dB down from the carrier was
> at the second harmonic, 14 MHz. The next spur was 62 dB down and was
> near the carrier.

An output filter achieving -47dBc at the 2nd harmonic is indeed a very good filter. But with no spectral plot to show this, we just have to take your word. Again, a real spectral plot showing the harmonic power is proof positive of such claims.

There are many amateurs that have access to spectrum analyzers, and thus spectral displays are familiar formats. There are, however, few amateurs that have access to a good phase noise test set (I regularly use the HP 3048A Phase Noise Measurement System at my work). And few amateurs who understand phase noise specs. And why should they? They are seldom listed in manufacturer specs. Note how in your article, BOTH rigs reviewed (the IC-746 and the Ten-Tec 1340) for "Composite Transmitted Noise," BOTH say "not specified." I'm not surprised, as again, this is a figure of merit of the oscillator stages, not the transmitter.

> In homebrew rigs, this is the kind of result that only comes from
> experience. That is precisely what makes Wes' spectrum analyzer so
> valuable to the homebrewer.

And Wes' spectrum analyzer (or any spectrum analyzer) is NOT capable of producing the phase noise plots that you erroneously labeled "spectral display" in QST. The vertical axis of your composite noise plots is "-dBc/Hz," a unit of measure not familiar to many hams, and not measurable on a standard spectrum analyzer. (To derive dBc/Hz, the signal must be mathematically processed by fourier transformation, which is not done in real time by most spectrum analyzers).

My point of this is NOT to slam you or the ARRL lab. It is to point out that without defining these plots as phase noise plots, it IMPLIES that it is the standard spectral plot, which reveals no harmonic power. This is very misleading to those who think this is a standard spectral plot and tends to paint the rig being tested as very, VERY good, when it may not be.

If the ARRL Lab is going to start showing these composite noise plots (that is, phase noise plots of the close in sideband power), then it

needs to be described and clearly pointed out that this is a phase noise plot, not a spectral plot. Furthermore, I still see no value in presenting such data for the purposes of evaluating the transmitter. Also, to perform phase noise tests, you have to use an external oscillator with known phase noise that is better than the oscillator you are testing. What do you use for a reference oscillator that is 30dBc/Hz better than the same plots shown for the IC-746?

If you are adopting a new testing procedures, then it should be fully explained to your readership to not give false representations. Otherwise it IS apples and oranges.

72, Paul NA5N

Date: Wed, 2 Sep 1998 18:56:54 -0500
From: nilsbull@juno.com (Nils R Young)
To: aweiss@usd.edu
Cc: qrp-1@Lehigh.EDU
Subject: [19152] Re: Using "Gibson Girls" & big rigs for QRP &c
Message-ID: <19980902.185700.11702.0.nilsbull@juno.com>

Gang,

The "Gibson Girl" transmitter . . . ah, now there's a date-liner for you. Bunch of young pups probably don't know or even care what a "Gibson Girl" is/was, let alone how weird these anorexic smack-freak models of today look in comparison. The wonderful novelty of old stuff comin' back to haunt you, so to speak.

"Hey sailor, wanna . . . ?" versus "Yo, dude, you got any cure?"

Yeah, now that's a date-liner for you. Kinda like how the "100-watt QRP ARCI required an "oath" never to run over 100-w power" that Ade mentioned. Funny he should say that, 'cause that's when I joined. Raise your hand and promise never to use apple pies for anything more than battery dressing.

And somewhere on the web there's a picture of the wheel that went in the Gibson Girl emergency transmitter, showing the little short & long dashed lookin' things that went around and got smacked by a contactor or someting to send the SOS part. Them short & long dashing things . . .
Hmmm . . .

I think I remember them too.

73
Nils

Nils R. Bull Young
La Estancia de los Guajolotes Sonrientes :: The Grinnin' Turkey Ranch
WB8IJN &c :: The Tagalong Press :: email to: nilsbull@juno.com
<http://www.geocities.com/Athens/Olympus/9172>

You don't need to buy Internet access to use free Internet e-mail.
Get completely free e-mail from Juno at <http://www.juno.com>
Or call Juno at (800) 654-JUNO [654-5866]

Date: Wed, 2 Sep 1998 20:05:42 -0400
From: "John J. McDonough" <jjmcd@tm.net>
To: <JGold@tntech.edu>, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [19153] Re: mobile
Message-ID: <199809022357.7528100@is1.tm.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 7bit

> From: Jeff M. Gold <JGold@tntech.edu>; owner-qrp-l@Lehigh.EDU
>
> The IC 706 looks interesting.. really don't need 2+6, anyone have
> experience with the Yaesu 900 series?

I've been mobiling with the 706 - it's a lot of fun. The front panel can be mounted almost anywhere with the rig under the seat. On a couple of long trips I just velcroed the MB63 to the dash in the wife's car - worked great and the velcro came right off afterwards. I didn't use an MB62, just strapped the rig under the seat with a couple of bungee cords. Icom's maze of mobile mounts is a little daunting, tho.

72/73 de WB8RCR
didileydadidah

Date: Wed, 02 Sep 1998 18:58:30 -0500

From: hudog <hudog@sparc.isl.net>
To: qrp-L@Lehigh.EDU
Subject: [19154] Trade: F/W 97 for SS 98 QRPP
Message-ID: <35EDDBA6.3D67E086@sparc.isl.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

I would like to obtain the Spring and Summer 1998 issues of QRPP. I have new issues of the Fall and Winter 1997 which I would trade even up for. I'd also like to purchase outright the Spring/Summer 98 issues if someone has extras.

Thanks, George NOGH

Date: Wed, 2 Sep 1998 20:11:40 EDT
From: Zenith9zn@aol.com
To: qrp-l@Lehigh.EDU
Subject: [19155] Antenna Help Thanks
Message-ID: <a17323b4.35eddebc@aol.com>
Mime-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7bit

I would like to thank everyone who gave me help on antennas. I am leaning toward the dipole in the attic peaks for starters. Hope to see you guys on the air soon. Again Thx. 73's John KB4UTV Gilbert, Az

Date: Wed, 2 Sep 1998 20:23:26 -0400
From: "Vincent Ferme" <vferme@sprint.ca>
To: <tessenearbh@coastalnet.com>, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [19156] Re: Low Power
Message-ID: <001f01bdd6d1\$12c12a40\$601205d1@vince>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Hi Brian,

>what are some of the common characteristics, if there is any

Lots of patience!! It also depends on what you consider to be DX, in the microwatt range every QSO is DX. :))

A good antenna and location won't hurt, but most important is operator's skills.

73 de Vince, VE3VFN.

Date: Wed, 2 Sep 1998 20:22:18 EDT
From: ARDUJENSKI@aol.com
To: qrp-1@Lehigh.EDU, nwq-1@scn.org
Subject: [19157] G3YCC LIMITED SPACE ANTLERS
Message-ID: <85d53426.35ede13a@aol.com>
Mime-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7bit

For limited space antennas such as in attic areas or small yards make sure you visit G3YCC's site and click on ANTENNA TOPICS. You will be in for a pleasant surprise

<http://www.homeusers.prestel.co.uk/g3ycc/>

Alan KB7MBI (usual disclaimer except I enjoy crumpets and tea along with GY3CC's excellent site)

Date: Wed, 2 Sep 1998 17:26:55 -0700
From: "Radman" <radman@best.com>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>, <Ronald_A_Pfeiffer@res.raytheon.com>
Cc: "Steven Weber" <kd1jv@moose.ncia.net>
Subject: [19158] Re: 11-2-10
Message-ID: <199809030024.RAA18644@proxy4.ba.best.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 7bit

>>Just received Radio Shack's flyer in the mail

yesterday. Looks like
they have reduced the CB targeted for conversion
to a clearance price
of \$34.95.

Indeed, the RS #21-1701 CB unit for the 11-2-10
AM Steve Weber kit is being discontinued
at the above price. Steve and I have not yet
been able to beta test his conversion kit on the

RS unit -- only on his Maxon unit.

So.... it's a real good price but, there is an
element of risk I just wanted to make you all
aware of.

Then again, once you've applied the welding
torch to the mother board I'd guess you've
voided the RS warrantee (?) ;)

Hopefully we'll have news of the RS beta test
soon. Perhaps Steve "Melt Solder" Weber will pop
in for an update ;)

72 - Conrad Weiss - NN6CW

10 meter AM -- we're the fun never stops... ;)

Date: Wed, 2 Sep 1998 20:06:50 -0400
From: w4bws@juno.com (Donald E Sanders)
To: kkanalz@optelinc.com
Cc: qrp-1@Lehigh.EDU
Subject: [19159] Re: Polyvaricon Capacitor
Message-ID: <19980902.203612.24446.1.W4BWS@juno.com>

Just go to the local Goodwill or Salvation Thrift shop and find the old
transistor radios. They had the capacitors. I have picked them up for 50
cents to 2 bucks a radio. The audio amps are fun too. I repair them and
give them to the little kids in the hospital cancer and ccu units to help
pass the time. Wish I could find a cheap source for the 9 volt batteries.
The local dollar store only gets a few at a time.

Donald E. Sanders W4BWS
694 E. Eau Gallie Blvd. Satellite Beach, Fl 32937
407-779-0222 Fax 407-779-0830
E-mail to w4bws@juno.com
My favorite QRP rig glows in the dark

On Wed, 02 Sep 1998 10:47 -0600 "Karl Kanalz - Dallas"
<kkanalz@optelinc.com> writes:
>you are right... the "polyvaricon" capacitors were in-
>deed used in portable AM/FM receivers some years
>ago, but I'm reasonably sure the capacitors are still in
>manufacture...K-Squared W8TIF
> -----

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Or call Juno at (800) 654-JUNO [654-5866]

Date: Wed, 2 Sep 1998 17:58:26 -0700
From: "Bill Todd" <bill@willapabay.org>
To: <ji3m@maxwell.com>
Cc: <nwq-1@scn.org>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [19160] Re: NERDS Antennas-KISS
Message-ID: <002801bdd6d5\$f6ec47a0\$295233d1@default>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

-----Original Message-----
From: James R. Duffey <ji3m@maxwell.com>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Date: Wednesday, September 02, 1998 4:14 PM
Subject: NERDS Antennas-KISS

Can of Worms Department;
Do the rules require installation of coaxial connectors to the feedline in
the field as well?? Maybe another thing in favor of balanced feeders??

Hi Duffy and group(s)

As Alan (KB7MBI) and I worked out the rules for the NERDS contest, ALL
building of the antenna must be built in that hour period. Some folks could
carry one of those propane soldering irons, and others will go for the
"crimp" connectors like to see in most automobile electrical systems.
Whatever system you use, have fun!

Also, Duffy might have a good point about keeping the antenna rather simple.
This 2 element YAGI I built for 20 meters took me about three times as long

to build as I thought it would (hi).

CUL, Bill-N7MFB
<http://www.willapabay.org/~bill>
ICQ me @ 8926298

Date: Wed, 2 Sep 1998 21:33:49 -0400
From: "Beaks" <beaks@westco.net>
To: "qrp-1" <qrp-1@Lehigh.EDU>
Subject: [19161] Those Poly-thingy caps
Message-ID: <001101bdd6da\$e74deba0\$c54ff5cd@beaks>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I see lots of folks suggesting places to find the small variable caps like the ones used in the ZM-2 tuner and similar units. Most say "the kind in small transistor radios" but most of those are only single section caps, not the ganged two section ones like the tuners use. Before you go tearing a dozen lil radios apart, you made need to look around a bit more if your trying to find the type for the ZM-2. They have to be available SOMEPLACE, also some of the ones I have been told about in some of the parts catalogs say "dual section" but one half is a very small value and worthless for the purpose of an antenna tuner.

There is a small electronics parts shop here in town and after blowing the dust off of boxes on the back shelves I found a dozen or so of the little poly single section caps but no dual section ones.

Arch N8EAG Fairmont, West Virginia

Date: Wed, 2 Sep 1998 21:39:23 EDT
From: SMurph555@aol.com
To: qrp-1@Lehigh.EDU
Subject: [19162] Evaluate/Recharge Old Gel Cell Batteries
Message-ID: <6c7eb08c.35edf34b@aol.com>
Mime-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7bit

Hi all,

I came across two old gel cell batteries in the basement. I think they're 6 volts each. Marking is Dual Lite P/N 12-255. Date of manufacture - May 1992. Was going to pitch them, but put a voltmeter on and both measured 6.11 volts. At about a 40 ma load on one, it sagged to 6.10 volts. My guess is that these are rated at a few ampere hours - say 3 to 5.

Does anyone have any suggestions about these? I have a good variable voltage power supply, and I have several 12 volt wall warts. I could set up the variable supply to some voltage at a reasonable current, say 100 to 200 ma and leave it on for a period of time. Or I could put the two batteries in series and hang a wall wart on them, again for some period of time.

Any thoughts from battery experts out there would be appreciated!

72/73

Cal K4JSI

Date: Thu, 3 Sep 1998 01:42:05 +0000
From: SEAB&SHARON LYON <SSLYON@worldnet.att.net>
To: Zenith9zn@aol.com, qrp-1@Lehigh.EDU
Subject: [19163] Antenna Help: forgot to provide the web site
Message-ID: <19980903014205.ENTJ1386@LOCALNAME>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

>Date: Wed, 02 Sep 1998 18:14:25
>To: Zenith9zn@aol.com, qrp chat
>From: SEAB&SHARON LYON <SSLYON@worldnet.att.net>
>Subject: Antenna Help

>

>John... by all means check out L. B. Cebik's web page. Not only is he an
>absolute national treasure on antenna modeling & applications, you'll
>have fun LEARNING about various aspects of a very facinating part of
>ham radio.

>.k. -this is a secret site until L.B. gets it in publishable shape
so don't broadcast it. You can back-track to the home page. -s-

<http://web.utk.edu/~cebik/scv0.html>

>As for your particular situation, you might try:

>1.) DIPOLE, under roof peak, coax fed. Experience with that will be good
>"baseline" ref. for future experiments.

>2.) Try variations on the Self-Contained-Vertical theme: They don't require
>quirky radials, etc., they are very compact, -esp. the "magnetic slot",

>and they'll satisfy your DX yearnings in situations where nothing else will.
>Good luck, and KEEP US POSTED!
>-S-
> ///
>
>At 11:23 PM 9/1/98 EDT, you wrote:
>>Hello, I got my Ten Tec Tkit 1340 ready to roll, but am comteplating what to
>>do about a antenna. I am fortunate to live in one of those neighborhoods where
>>outdoor antennas are a no-no. I have a one story home with the peak in the
>>attic about 20 feet above ground. I also have one of the concrete tiled
>>roofs. What will that do if my antenna is in the attic? Should I make a
>>portable antenna to put up only when in use (Inverted V)? I am looking for
>>any comments you may have. Thx for your help. 73"s John KB4UTV Gilbert,
>>Arizona PS I want to keep this as simple and cheap as possible.
>>
>>
>
Seab Lyon, AA1MY, Beacon, NY, USA
ARRL; QRP ACRI# 9253; QRP-L#574;
NEQRP# 511; C.A.R.A.(Danbury CT):
<http://www.danbury.org/org/cara/>

Date: Wed, 02 Sep 1998 19:15:08 +0000
From: Roger Hightower <n7kt@earthlink.net>
To: nilsbull@juno.com
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [19164] Re: Using "Gibson Girls" & big rigs for QRP &c
Message-ID: <35ED993C.C52BCC24@earthlink.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Here 'tis.....neat stuff if you back up this link a bit.

http://www.megasource.com/k5rw/SOS_wheel.jpg

--
72/73, de Roger, N7KT - QRP-L #62 - Mesa, AZ

Date: Thu, 3 Sep 1998 01:38:25 -0500
From: k5zty@juno.com
To: qrp-l@Lehigh.EDU

Subject: [19165] re: QRP To The Field
Message-ID: <19980903.013853.6838.0.k5zty@juno.com>

Hello NEQRP Club,

I posted an inquiry about this contest a couple of weeks ago and got no reply. It takes some time to make arrangements to do this contest and time is running short.

If there is going to be a contest on Sept 19th, please post the times, rules and contest managers name and address. If there is not going to be one that is OK too but please post a cancellation.

Thanks and 72,
Bill, K5ZTY
Houston, TX
k5zty@juno.com

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Or call Juno at (800) 654-JUNO [654-5866]

Date: Wed, 2 Sep 1998 19:30:21 -0800
From: John Rollins <rexstout@uswest.net>
To: qrp-l@Lehigh.EDU
Subject: [19166] Re: 11-2-10
Message-ID: <103130301b213bc9fd6d4@[207.225.86.107]>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

>Indeed, the RS #21-1701 CB unit for the 11-2-10
>AM Steve Weber kit is being discontinued
>at the above price. Steve and I have not yet
>been able to beta test his conversion kit on the
OK, I remember seeing something before but I wasn't keeping track of them
and I don't know if/where the list archive is, so can someone bring me back
up to speed? OK, first, how exactly do these conversion kits work? Do they
have nice digital freq readouts? How does it tune(use the buttons/knobs
from the radio, or something new)? How much do the kits cost? The question
about the freq readout has something to do with the two-digit display that
is on the CB rig. I would think that that expensive CB with the big LCD
display that shows the frequency and everything would be interesting, and
maybe a little easier or harder depending on how you look at it. And is it
possible to add SSB to normal AM rigs? Geez, I really should read all the

messages that come through, you can really miss a lot by ignoring just one thread...

```
-----  
| http://members.tripod.com/~jrollins/index.html - Computers |  
| http://www.geocities.com/Area51/Lair/1681/ - Star Trek      |  
| Orham@qth.net list admin                                KD7BCY |  
-----
```

```
-----  
Date: Wed, 2 Sep 1998 22:47:19 EDT  
From: Ab7wy@aol.com  
To: qrp-l@Lehigh.EDU  
Subject: [19167] gibson girls and glory day rigs  
Message-ID: <d8240edb.35ee0337@aol.com>  
Mime-Version: 1.0  
Content-type: text/plain; charset=US-ASCII  
Content-transfer-encoding: 7bit
```

In a message dated 98-09-02 19:45:08 EDT, you write:

<< The "Gibson Girl" transmitter . . . ah, now there's a date-liner for you. Bunch of young pups probably don't know or even care what a "Gibson Girl" is/was, let alone how weird these anorexic smack-freak models of today look in comparison. >>

well, im only 32...i have to tell you that i enjoyed the Betty Page look MUCH better. ribcage and sunken cheeks are NOT appealing by a long shot...and i just dont get this "heroin chic" garbage. the "OD" look really cranks my variac....NOT!

i was in an antique mall here in Edmonds the other day and found an old RCA/VICTOR (i think it was, anyway) beautiful reciever...it was huge...like a piece of furniture. but it was mahogany. the dial had everything in MC's...at the bottom it had words (it had shortwave too, SW was an intregal part of life back then i guess...<sigh>) "australia....amateur...tokio (the right spelling)...amateur...maritime...paris..." and so on....i wanted this rig BAD, but it was in the neighborhood of \$1200 so maybe next paycheck...yeah right!! it even caught the eye of the xyl who was taken aback at how beautiful this old time radio was.

maybe someday. it makes me wonder if 80 years from now...will people in antique stores dig out that old, ancient heath HW-8 and marvel over it the way that i did that day at the antique mall.....or will they wonder just what the hell it was once used for.

73....Adam, AB7WY

Date: Wed, 2 Sep 1998 20:17:36 -0700 (PDT)
From: Fred Chen <fred@asl-labs.bc.ca>
To: SMurph555@aol.com
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [19168] Re: Evaluate/Recharge Old Gel Cell Batteries
Message-ID: <Pine.D-G.4.02.9809022000580.24974-100000@asl7>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Wed, 2 Sep 1998 SMurph555@aol.com wrote:

> I came across two old gel cell batteries in the basement. I think
> they're 6 volts each. Marking is Dual Lite P/N 12-255. Date of manufacture -
> May 1992. Was going to pitch them, but put a voltmeter on and both measured
> 6.11 volts. At about a 40 ma load on one, it sagged to 6.10 volts. My guess
> is that these are rated at a few ampere hours - say 3 to 5.

If you plan to "pitch them," do the responsible thing by bringing them to
the recycling depot. Gel cells are made of lead and that's bad for the
environment.

> Does anyone have any suggestions about these? I have a good variable
> voltage power supply, and I have several 12 volt wall warts. I could set up
> the variable supply to some voltage at a reasonable current, say 100 to 200 ma
> and leave it on for a period of time. Or I could put the two batteries in
> series and hang a wall wart on them, again for some period of time.
> Any thoughts from battery experts out there would be appreciated!

Forgive for not knowing, but what is a "wall wart"?

I have several 6V and 12V gel cells that I use for a variety of
emergency and field-type situations. I also use a 12V-34Ah deep-cycle
battery (gel cell) if I'm going to be operating for a long time away from
mains power.

A rule of thumb is to charge gel cells and deep-cycle batteries at
25% of the Ah rating. So at 3Ah, you should charge them at about
750 mA. With a variable voltage supply, have the input voltage slightly
higher than the battery voltage. 13.9V for 12V batteries and about 7V for
6V batteries. Trickle charging is fine, but avoid long trickles since
this wears out the battery. Gel cells are well known for a long shelf
life. Good luck.

Fred, VE7LNX

Date: Wed, 02 Sep 1998 20:22:14 -0700 (PDT)
From: Charlie Lofgren <clofgren@BENSON.MCKENNA.EDU>
To: qrp-l <qrp-l@Lehigh.EDU>
Cc: CLOFGREN@BENSON.MCKENNA.EDU
Subject: [19169] Re: Polyvaricon Capacitor--an alternative
Message-ID: <Pine.PMDF.3.95.980902195244.39840A-100000@BENSON.MCKENNA.EDU>
MIME-version: 1.0
Content-type: TEXT/PLAIN; charset=US-ASCII

Regarding z-match capacitors:

As someone who's played a bit with z-matches, I'd recommend that for a home-qth unit you look for dual-section **air** variables, anywhere from about 330 to 450 pf max capacitance, which can be found at swap meets or in old (tube/valve) BC-band radios. (That is, unless you want a really small unit.) For related construction details, check my article in volume 5 of the ARRL Antenna Compendium or pretty much the same one in the July 1995 issue of QRP Quarterly. The latter is also on K0JD's webpage: www.pconline.com/~rohrwerk/k0jd. I list some other useful references at the end of my article on the "Field Friendly Doublet" in the June 1998 issue of the Sojourner, online in the Sojourner archives of the Adventure Radio Society, at www.natworld.com/ars

72,

Charlie Lofgren, W6JJZ
clofgren@mckenna.edu

Date: Wed, 2 Sep 1998 23:38:18 -0400
From: Kevin Walker <KB9NUN@compuserve.com>
To: QRP-L <qrp-l@Lehigh.EDU>
Subject: [19170] SW40+ No Output
Message-ID: <199809022338_MC2-5840-27@compuserve.com>
MIME-Version: 1.0
Content-Transfer-Encoding: quoted-printable
Content-Type: text/plain; charset=ISO-8859-1

Content-Disposition: inline

I think I lost the 2SC2078 on my SW40+ last night. It still hears ok but= I get no output. I now have two questions. How can I tell for sure it's gone? And where do I get another? I tried a local parts store, but they= didn't have one. I also did a search on the web sites for digikey and mouser but found no search results.

It appears that the jack from my keyer was unplugged slightly creating a short and thus began to key up the output (first and last time that will happen!). So if by chance you heard a continuous signal Tuesday night around 7.040, I guess that would have been me.

I wonder how long the little bugger lasted.....

Feeling stupid,

Kevin, KB9NUN

Date: Wed, 2 Sep 1998 23:48:57 -0400 (EDT)
From: Paula Bailey <pmbail01@ox.slug.louisville.edu>
To: Fred Chen <fred@asl-labs.bc.ca>
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [19171] Re: Evaluate/Recharge Old Gel Cell Batteries
Message-ID: <Pine.LNX.3.96.980902233555.25414C-1000000@ox.slug.louisville.edu>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Wed, 2 Sep 1998, Fred Chen wrote:

> > Does anyone have any suggestions about these? I have a good variable
> > voltage power supply, and I have several 12 volt wall warts. I could set up
> > the variable supply to some voltage at a reasonable current, say 100 to 200 ma
> > and leave it on for a period of time. Or I could put the two batteries in
> > series and hang a wall wart on them, again for some period of time.
> > Any thoughts from battery experts out there would be appreciated!
>
> Forgive for not knowing, but what is a "wall wart"?

A "wall wart" is, to whit, a slang term for one of those little DC power supplies one can purchase at Radio Shack (and through Tech America and through Mouser and at a lot of other electronics supply stores). Basically, you plug one end in a socket, the other end into the power jack

on your radio, and (assuming voltage and amperage are right, and we all know you should *always* assume... ;) you can run DC powered appliances off of one of the little power supplies plugged into the wall.

Someone figured one of the little boxes looked like a wart; hence the term "wall wart". :)

(Offhand, if you *do* use one as a power supply, I'd make sure it was "clean" first. Some cheaply made wall-warts (including, at least in past, some Radio Shack and cheaper models) are somewhat noisy as far as RF goes, with other "wall-warts" being somewhat less noisy. Of course, you could go one better and rig up a filter or use a filtered or battery power supply, and not have to worry about RF noise from your power supply. :)

Offhand, semi-kinda-in-a-way related--I do wonder, offhand, if there's any sort of standards as to the amperage used in *RV* accessory 12v jacks (this is not the "main" cigarette-lighter one; most RV's have at least two other 12v jacks for powering dual-power appliances such as coffee makers and TV's that can run on 12v or house-mains). If there is, it should at least in theory be possible to rig up a smallish power supply for QRP rigs or even, possibly, to use the commercial "cigarette lighter" adapters that will knock the voltage and/or amperage down to ~300mA at 9 or 12v. (Yes, I've had ideas for RV QRP for next year's trips, or maybe even this year's if my family goes on any more trips. ;)

-pb

Date: Wed, 2 Sep 1998 22:55:42 -0500 (EST)
From: bob evinger <revinger@marshallonline.com>
To: qrp-1@Lehigh.EDU
Subject: [19172] anybody know py4pz
Message-ID: <Pine.LNX.3.96.980902224907.677B-100000@WD9EKA.ampr.org>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Well, This is the second night I have been listening and heard his signal. I should have called him the other night, his signal was really good 2 nights ago.

SOrry, he was on 20 and just above the noise level. I didnt figure there was a snowball's chance of working him with 3 watts, so I slipped across the line and ran the power up. I was able to copy his name and part of his qth and his RST on me only because he sent each 3 times. He gave me a 559 with me running about 90, I guess I should have the left the power turned down. Now I'll never know if

he would have heard me or not.

I must of been about the only one to come across him tonight. I didnt hear anyone else go back to him. Monday he was called by many others.

I am assuming from what I copied and what I remember that PY4 is down in the carribean but couldnt match up what I copied with anything on my wall map??? Anybody have a full address for him or is there a site for looking up DX calls on the web. QRZ is just US/Canada isnt it.

bob

Bob Evinger | 19250 N. Livingston Road | revinger@marshallonline.com
WD9EKA | Marshall, IL 62441 |

Date: Wed, 02 Sep 1998 23:51:27 EDT
From: w4pj@w4bkx.ampr.org
To: qrp-l@Lehigh.EDU
Subject: [19173] Re: Low Power
Message-ID: <19840@w4bkx.ampr.org>

"making a station efficient on a small amount of power"

Lowest loss feedline and best antenna you can get (Build, buy, fit on the property, tallest trees or towers)
My elmer told me (something like) 90% of resources on antennas is well spent. You can transmit with just about anything but if you can't hear'em, you can't work'em.

de Scott / W4PJ Ft. Lauderdale, FL <EL96vd> #1585 (Pres. SFDXA)

----- 73 -----

Date: Wed, 2 Sep 1998 22:59:22 -0500 (EST)
From: bob evinger <revinger@marshallonline.com>
To: qrp-l@Lehigh.EDU
Subject: [19174] Fists, thanks
Message-ID: <Pine.LNX.3.96.980902225550.677C-100000@WD9EKA.ampr.org>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

I received many replys letting me in on what FISTS is. It was kind of surprising. Actually it was really surprising for a couple of reasons. I live in Marshall Illinois which is just across the state line from Terre Haute, IN and I work and grew up in Terre Haute.

N9NVV who hosts the web page and his cohorts are in my local radio club. After seeing the web address I vaguely remember hearing him talking about FISTS on the local repeater and wondering what on earth he was talking about. Now I know.

Small Universe.

72
bob

Bob Evinger		19250 N. Livingston Road		revinger@marshallonline.com
WD9EKA		Marshall, IL 62441		

Date: Wed, 2 Sep 1998 23:20:38 -0500 (EST)
From: bob evinger <revinger@marshallonline.com>
To: qrp-1@Lehigh.EDU
Subject: [19175] RE: py4pz
Message-ID: <Pine.LNX.3.96.980902231916.806A-100000@WD9EKA.ampr.org>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

After sending my question about him. I found his address under buckmaster. his city is listed as divinopolis, mg Anybody know how brazil is segmented, where is "mg"???

thanks
bob

Bob Evinger		19250 N. Livingston Road		revinger@marshallonline.com
WD9EKA		Marshall, IL 62441		

Date: Thu, 3 Sep 1998 00:58:58 EDT
From: RangerSF5@aol.com
To: qrp-1@Lehigh.EDU, cw@qth.net, qrp@qth.net
Subject: [19176] MFJ news letter

Message-ID: <6bdd19d2.35ee2212@aol.com>
Mime-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7bit

Anyone have the second copy of the MFJ news letter they can send me?
You can fax it at 609-298-8544.
When you hear the machine pick up, hit star-9 and the fax will go on.
I'll pay for the call so fax your address with it.
I am subscribed to the news letter but for some reason, I can't contact Paul to
let him know I did not receive it.
Thanks in advance. Bob
WA2HOQ

Date: Wed, 2 Sep 1998 22:32:54 -0700 (PDT)
From: Monte Stark <ku7y@dri.edu>
To: QRP-L <qrp-l@Lehigh.EDU>
Subject: [19177] NA Sprint idea
Message-ID: <Pine.SOL.3.96.980902222619.12799A-100000@vortex>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Hi All,

Here is a very interesting post from the fellow who
usually wins this contest! He is also the fellow who
writes the contest software TR Log.

Here is how you play in the Sprint without needing
to copy 40 wpm CW and without worrying about who is
calling who!

Even if you are not going to be able to do the contest
at all, please read the post. It's interesting to see
how some of the top contesters think! They really are
some nice people. (And great operators!)

The Jim Neiger he is kidding is ZD8Z who many of you
have worked with QRP. Another super op!

Think about joining in on the fun.

If you would like to have your points added to the
QRP team points, please let me know ASAP.

Thanks,

73, Ron, SOWP 5545M,

.....KU7Y.....ARCI #8829.....Monte "Ron" Stark.....
....ku7y@sage.dri.edu.....Washoe Lake, Nevada....
....QRP-L #17...ARS #49...NorCal #330.....NRA LIFE.....

----- Forwarded message -----

Date: Wed, 2 Sep 1998 22:13:29 -0400 (EDT)
From: Tree N6TR <n6tr@teleport.com>
To: cq-contest@contesting.com

Well - nice to see the Jim and Dick show back in full swing. I wonder if Neiger is wearing socks this time.

At any rate - I am sure my two esteemed friends will agree that the CW Sprint one of, if not the best, test of true operator ability. I know this is true, because they can't beat me in it.

However, I didn't come here to say that - what I wanted to do is encourage ALL of you to get on for this contest THIS WEEKEND. Normally, the contest is held the weekend after labor day, but it was not to be this time.

Here are a few tips for the first time Sprint operator:

Start on 20 meters. Operate for an hour or two, then go to 40. Plan to be on 80 for the last hour. Single band entries are okay and aren't considered "minor league". However, they get listed with everyone else.

If you can - get in the rhythm of calling someone who is CQing and when you complete the QSO, you win the frequency!! This is a lot of fun. HOWEVER, if you find the sprint QSY rule to be too much to handle, here is an EASY way to make QSOs at YOUR SPEED!

Just call CQ. Find a clear frequency either above or below the "pack" and slow down to the speed you are comfortable with. If someone answers you at 40 WPM, just ignore them and CQ again. Eventually, they, or someone else, will QRS and work you at your own speed. When you are done, you can QSY to the other

end of the band (at least 5 KHz per the rules) and do it all over again. You should be able to get answers to your CQs even if you are running low power and wire antennas. There are LOTS of guys who would love to work you.

This type of operation might even be kind of fun. Imagine having the power to make the 40+ WPM wizards turn down their speed and talk to you at your own level!!

I would like to encourage anyone who has operated the CW Sprint for the FIRST TIME to indicate this in their logs. I would like to see these scores highlighted somehow in the results. Perhaps there could be a "FIRST TIME" top ten box or something.

If any of you have questions about the contest, please e-mail me and I will be happy to help out. You can find the whole rules on the ncj web page at <http://www.waterw.com/~ncj/>.

The CW Sprint is Saturday evening local time, from 00Z to 04Z. Activity will be found from 030 to 060 on each of the bands.

Please feel invited to come and join the fun!!!! Also, don't forget the SSB Sprint on the next weekend.

Now - back to the Jim and Dick show...

73 Tree N6TR / K7RAT
tree@contesting.com

--

CQ-Contest on WWW: http://www.contesting.com/_cq-contest/
Administrative requests: cq-contest-REQUEST@contesting.com

Date: Thu, 03 Sep 1998 08:31:14 +0200
From: Paolo Sassoli <Paolo.Sassoli@italtel.it>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [19178] Delay line, thanks.
Message-ID: <35EE37B2.342B794E@ii1sh01.settimo.italtel.it>
Mime-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

I want to thank all you friends who sent
me suggestions on designing my delay line.

Many of you have suggested to use a calculated
cable length, unfortunately I omitted to say that
it's for a professional use (cellular base station)
and I have a VERY little space to place it in.

Thanks again to all.

72 de Paolo IK2LNH

Date: Wed, 2 Sep 1998 23:36:48 -0700
From: "Radman" <radman@best.com>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [19179] 30 dB of receive gain? -- the Germans are going for it...!
Message-ID: <199809030634.XAA01083@proxy4.ba.best.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 7bit

Gang,

I thought you might enjoy this email from
Christoph Petermann DF9CY in Schwedeneck,
Germany elaborating on his quest for the
ultimate 10 meter cloud-burner array. Mounted on
a 4.5 ton ex-military tower he'll have *two*
stacked 45 foot boom, 8 element
yagis 7 meters apart and 21 meter up. <dang!>

OK, sorry for the bandwidth, follow-ups will go
to antennas@qth.net... but you *could* hook this
tower-of-power up to your Sierra or your OHR and
in my book you'd still be QRP ;) Oh my, what
fun!

Here ya go...

>>>>>>

Hello Conrad and all others !

Many mailings regarding the antenna ! Thank you for visiting the site.

Some answers:

* The antenna is commercial of GB Antennas & Towers in the Netherlands. <<http://www.gbanttow.nl>>.

* Yes, we (DH6LS and me) have in fact two of these antennas. We wanted to stack the at a distance of 7m, which we calculated with EZNEC to be a good stacking distance. We had some mechanical problems so far. We began already to make a new construction, but it will not be finished until next year. So long we have to use the single antenna...

* Receiving gain: Free space gain of the antenna may be about 5 .. 6 dB over the tribander. In "real life" the higher gain results in getting more energy close to the horizon. And this will result in gains of over 15 dB compared to the tribander. You can easily calculate this with EZNEC or MININEC or so.

* The antenna has a gamma match feed. I had to move the first director (the one close to the driven element) in order to get the antenna working. [This was discussed here about a month ago].

I will keep you informed on the project progress and the antennas' performance.

73 de Christoph

Christoph Petermann DF9CY, Schwedeneck, Germany

<email: df9cy.petermann@t-online.de>
<homepage:
<http://home.t-online.de/home/df9cy.petermann>>

Please visit my homepage with information on :

- * Amateur Radio: Moonbounce, 50 MHz, Antennas
- * Astrophotography: Images, Films and Equipment
- * Software: Amateur Radio, Astronomy,
Telecommunication
- * Articles on related items

Date: Thu, 3 Sep 1998 01:44:27 -0700
From: mnhopkins@juno.com (Michael N Hopkins)
To: QRP-L@Lehigh.EDU
Subject: [19180] AB5L QSY, W6TNS QRPmw, Duck
Message-ID: <19980903.014441.-79123.2.MNHopkins@juno.com>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit

I changed my e-mail address and while waiting for the QRP-L 'server / white noise generator to get its ducks in a row (my wife's duck in the yard goes in circles, by the way), I leafed thru some old Radio and TV News, finding a followup on the exploits of Don Stoner, W6TNS, QRPioneer and columnist of the late '50s whose '58 Electronics Illustrated transistor MOPA made so many folks notice QRP.

It seems he built a 10 and 15M rig too, called the "Mighty Milliwatt," (Radio and TV News, Dec, 1958, p 51) . This one was a monster by our standards: 4 X 5 X 6 inches for a 2N370 PA and a 2N371 oscillator, both of which he ran over spec at 80mW, or an octive below Chuck Adams' 900. He was working stations right and left, even off the back, using 10 flashlight batteries inside the ample enclosure. The rig was a triumph of field expedients including a screwdriver adjustable cap adopted to knob with a piece of brass tubing, and plastic coil mounts from a Walsco hardware box airplane glued to the chassis (back then the glue had a kick, BTW).

Of course Don, and everyone else before the 1980 incident, went by input power, but the most provocative thing in the three pages is his remark that the link coupling output cap "[W]orks exactly oppostie to the

pi network loading capacitor." I need to think about that for a while so I think I'll go watch the duck. If you want a copy of the article, send the usual dollar and SASE.

73 de ab5L, michael in Dallas, student of Six Meters' Golden Age, 1957-58, and two of its jewels: Tecraft and International Crystal ham products.
Michael N. Hopkins
Box 226841
Dallas, TX 75222 MNHopkins@Juno.com

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Get completely free e-mail from Juno at <http://www.juno.com>
Or call Juno at (800) 654-JUNO [654-5866]

Date: Thu, 3 Sep 1998 03:22:50 -0400 (EDT)
From: Chris Cartwright <ccart@dns.vidtel.com>
To: QRP Reflector <qrp-l@Lehigh.EDU>
Subject: [19181] Re: NA Sprint idea
Message-ID: <Pine.LNX.3.93.980903031618.254A-100000@dns.vidtel.com>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Wed, 2 Sep 1998, Monte Stark wrote:

> From: Tree N6TR <n6tr@teleport.com>
>
> Just call CQ. Find a clear frequency either above or below the
> "pack" and slow down to the speed you are comfortable with. If
> someone answers you at 40 WPM, just ignore them and CQ again.

Monte,

Thanks much for this! I never played in a contest with a QSY rule, and figured when until got the "hang" of a 35+ wpm station he'd be gone, so why bother. But armed with this info I'll be in there! Ain't gonna win, but I'm gonna have fun playin' radio.

Oh, for those on the DK3 list, it's 3:14am and I'm working on it! 72 all

-- Chris Cartwright, Technical Engineer | ccart@vidtel.com --
-- N3XRV ARRL-VE Norcal Zombie #163 | Gaithersburg, MD FM19je --
-- MDmW #5 NJ-QRP #105 QRP-L #655 NORCAL #1891 FISTS #5028 QRP-ARCI #9271 --

Date: Thu, 3 Sep 1998 02:42:56 -0700
From: "Radman" <radman@best.com>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [19182] Elvis and Polyvaricon -- demystified
Message-ID: <199809030940.CAA17789@proxy4.ba.best.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 8bit

Elvis and the Polyvaricon an historical perspective

by Conrad Weiss - NN6CW

History credits Mitsumi (Japan) with the creation of the "Polyvaricon" (POLYethylene + VARIable + CONdenser) in 1955. In that era, tuning capacitors (condensers) were beefy air-variable, metal monsters made for AM table receivers or leftovers from WW-2 B-52s. American multi-gang tuning condensers often weighed several pounds -- while the Mitsumi Polyvaricon weighed mere ounces and took up less space than a roll of first-class postage stamps.

In late 1955, Mitsumi, a puny Japanese start-up, joined hands with Sony, another Japanese no-name, and created the SONY TR-6 -- the 6-transistor pocket radio that launched Elvis Aaron Presley. Mitsumi, Sony and Elvis were inseparable. While Elvis and "Hound Dog" dominated the Top 20, the Japanese continued to set new records in miniature radio design. Sony's ICR-120 still holds the claim to the smallest loudspeaker radio ever built -- unchallenged to this day.

The King racked up gold records, a gaudy fortune and developed an insatiable appetite for chitlins, vending machine food and Valium tablets. Mitsumi and Sony, between them, banked \$500M in transistor radio ventures -- mere seed money for future Walkmans.

But nothing lasts forever. The King -- an innocent victim of his own southern cookin' -- made a quiet exit to that Graceland in the sky. And, today only the muted Conelrad ('CONtrol of ELEctronic RADiation') warning system -- with those weird little triangle dial symbols at 640 kc and

1240 kc still listens for the soundtrack of 'Blue Hawaii.'

The great Men of Electricity, once deceased, are often honored by having some unit of measure commemorate the immensity of their contributions. Isn't it time we paid our debt to Elvis the King of miniature electronics and created some unit of measure in his namesake? Would a Wilderness SST measure about 1.58 Presley's? Would a TenTec Scout measure about 1.07 Hound Dogs?

Don't get All Shook Up. I'm sure you folks will think of something.

72 Conrad Weiss NN6CW

Date: Thu, 03 Sep 1998 11:45:35 +0200
From: Thomas Roth <th.roth@apc.de>
To: qrp-l@Lehigh.EDU
Cc: gqrp-l@blacksheep.org
Subject: [19183] Re: QST 1973/74
Message-ID: <3.0.32.19980903114448.006a85fc@apc.de>
Mime-Version: 1.0
Content-Type: text/plain; charset="iso-8859-1"
Content-Transfer-Encoding: 8bit

Allan, Brian, Gary, Tex, Chris and Joe,

thanks again for your offers to help me out with the articles. Been away for a couple of days, so couldn't reply any sooner. I was lucky to find the book (Reflections) privately, so now I have all I need and then some. Got it from a German Ham who got it from someone who got it from someone..... It doesn't seem to be available anymore from the ARRL or RSGB, hope they will reprint it sometime.

Again, thanks all !!!

72 de Thomas, DL40BN, G-QRP #5672, AK-QRP #413, QRP-L #1621

Date: Thu, 3 Sep 1998 08:22:08 -0400
From: "Mullins, Michael (MJ)" <MJMULLINS@dow.com>

To: "'qrp-1@Lehigh.EDU'" <qrp-1@Lehigh.EDU>
Subject: [19184] gear for sale?
Message-ID: <024599855CCAD11184280000F8BDCA87E0B088@TXNTE21>
Mime-Version: 1.0
Content-Type: text/plain

Scott, I suppose I'm way too late for the GM-20 for \$70, but I'm interested if it's still available. Mike Mullins in Lake Jackson TX, KD5CMN

Date: Thu, 3 Sep 1998 09:33:00 -0400
From: "Tracy, Michael, KC1SX" <mtracy@arrl.org>
To: "'Paul Harden'" <pharden@aoc.nrao.edu>
Cc: "'QRP Email List'" <qrp-1@Lehigh.EDU>
Subject: [19185] RE: Apples and Oranges
Message-ID: <m0zEYWX-000ZhlC@mgate.arrl.org>

Hi Paul,

In ARRL Lab testing, the spectrum analyzer provides the data for three test parameters: 1. Transmit spectral purity 2. Transmit two-tone intermodulation distortion 3. Transmit composite noise

Although most folks think of #1 when they consider a "spectral" plot, all three represent portions of the frequency spectrum under various test conditions and are therefore spectral displays.

As I indicated previously, we seldom publish any transmit spectral purity plots in the QST Product Review column because most radios are quite clean and there is relatively little information involved. However, for radios where the transmit spectral purity is poor, we will indeed publish a plot or at least include a discussion of the result in the review text. This was not the case at all with the Ten-Tec, though (see the numbers I mentioned).

The "Apples and Oranges" stems from the confusion that some folks had in thinking that the transmit composite noise plot was actually the transmit spectral purity plot. The caption that accompanies the plot wasn't read carefully enough by those folks.

True enough, the transmit composite noise plot of the Ten-Tec showed no information per se, but it was included to demonstrate a stark comparison to the plots we have previously published for all other HF radios.

Although I agree with your assessment that many hams do not understand

all the test data presented in QST Product Review, I would say that it is better for us to give them the means to understand the data rather than simply omit it.

Periodically, QST features articles that explain what some of the more esoteric numbers mean. In addition, I have been working on an information package that describes the data in real world terms. When complete, this package will be available on our web page, via our email information server (sans graphics) and in paper form for those who do not yet have either means of electronic access.

For those who wish a copy of the preliminary information I have "cobbled together" at this point, please let me know and I will mail you a copy (it isn't in electronic form yet, sorry).

> Also, to perform phase noise tests, you have to use an external
> oscillator with known phase noise that is better than the oscillator
> you are testing. What do you use for a reference oscillator that is
> 30dBc/Hz better than the same plots shown for the IC-746?

Our reference oscillator is an HP-8640B signal generator (with the +20 dBm output option). We have two of these, and the system "baseline" composite noise is established by using one in place of the transmitter.

Best Regards, Michael Tracy, KC1SX, ARRL Lab

Date: Thu, 3 Sep 1998 08:52:17 -0400
From: "Vincent Ferme" <vferme@sprint.ca>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [19186] Re: anybody know py4pz
Message-ID: <002001bdd739\$b0ed2080\$921105d1@frsswilap04284.callnetcanada.com>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Bob,

PY4 is Minas Gerais State, Brazil, South America.

73 de Vince, VE3VFN ex-PY1IH.

-----Original Message-----

From: bob evinger <revinger@marshallonline.com>

>I am assuming from what I copied and what I remember that PY4 is down
>in the carribean but couldnt match up what I copied with anything on

Date: Thu, 3 Sep 1998 08:50:55 EDT
From: ARDUJENSKI@aol.com
To: qrp-1@Lehigh.EDU, nwq-1@scn.org
Subject: [19187] SITE FOR SORE EYES (QRP)
Message-ID: <4a9fcd9f.35ee90af@aol.com>
Mime-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7bit

LQQKing for a super site with tons of info on antenna discussions, equipment,
etc???? Man you need to check this site out!!! ARCHIVES AND ARTICLES by
William Eric McFadden, WD8RIF

<http://www.qsl.net/~wd8rif/archives.htm>. (Nice job Bill)

Alan KB7MBI

Date: Thu, 3 Sep 1998 08:09:00 -0500
From: "Randy Moore" <wr.moore@worldnet.att.net>
To: <slmachco@fix.net>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [19188] RE: Polyvaricon Capacitor
Message-ID: <000201bdd73c\$0409c280\$2826430c@deputy-dog>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

> Hi Dan, Sounds like the one I supply with the Rainbow Enclosure...Mouser #
> 24TR222 (\$1.52), mounting screws Mouser # 48SS003, (\$.04 ea, need qty 2),
> you will also need a M2.5 x .45 screw for the knob, same thread as the
> mounting screws, but something longer...I have a few of those...72 Doug
> Hauff KE6RIE

I ordered a couple of these last week and they arrived yesterday. They are
very similar to the ones supplied with the ZM-2, but physically smaller and
with a different connection arrangement. Doug, can you confirm that these
are 266 pf per section? The capacitor plates appear to be significantly

smaller, and perhaps fewer in number (hard to tell) than on the ones from Roy.

If these are the right ones, ordering from Mouser would be the way to go - no minimum order.

By the way, why do these go bad? Is it the RF voltages encountered during adjusting the SWR that damages the thin plastic film, or what?

72,
Randy, KS4L

Date: Thu, 03 Sep 1998 09:17:50 -0400
From: Zack Lau <zlau@arrl.org>
To: qrp-1@Lehigh.EDU
Subject: [19189] Re: 30 dB of receive gain? -- the Germans are going for it...\!
Message-ID: <35EE96FE.76A1@arrl.org>
Mime-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Does this mean that a dipole over high sloping ground to put major lobe right at the horizon has 10 dB gain over that tribander??? Higby Mountain in Middletown CT looks like a great place to put a very high dipole--Zack W1VT

Date: Thu, 03 Sep 1998 09:13:13 -0400
From: Scott Howell <whowell@hq.nasa.gov>
To: qrp-1@Lehigh.EDU
Subject: [19190] parts from a tv
Message-ID: <3.0.5.32.19980903091313.007e6160@mail.hq.nasa.gov>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Ok, well the tv finally died. Well it was a piece of junk RCA. RCA was quite a brand perhaps at one time, but this like the GE sets are garbage. In any case is there anything worth scrapping from the set. If so how best not to kill ones self while poking about in the guts. Also, if someone lives in Maryland or wherever and wants the set for parts, your welcome to it.

Just drop me a msg as to when you want it. No, won't ship the thing cause it would be a real drag. I don't believe I'll have any use for the parts, but maybe someone would.

Date: Thu, 03 Sep 1998 09:59:41 -0400
From: Zack Lau <zlau@arrl.org>
To: qrp-1@Lehigh.EDU
Subject: [19191] Re: Apples and Oranges
Message-ID: <35EEA0CD.1702@arrl.org>
Mime-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

I chose the -60 to -140 dB range for the "new" phase noise procedures in 1987, when we were using a 141T series spectrum analyzer. The first plots were published in March 1988 QST, on page 19. The procedure we use was published in April. Phase noise testing is described in the 1989 and later ARRL Handbooks.

It isn't necessary to use an oscillator 30 dB better--one can almost always possible obtain two radios and compare them against each other. The obvious exception is?

I find the phase noise of transmitters quite important when signals are extremely loud--a bad transmitter can wipe out an entire band, no matter how good your filters are. OTOH, with something like the 80 meter bandpass filter in the September/October QEX and a good SSB transmitter, I can operate QRP CW while a nearby station is on 75M SSB (26 dB attenuation of SSB signals).--Zack Lau W1VT

Date: Thu, 3 Sep 1998 10:07:41 -0400
From: w4bws@juno.com (Donald E Sanders)
To: zlau@arrl.org
Cc: qrp-1@Lehigh.EDU
Subject: [19192] Re: 30 dB of receive gain? -- the Germans are going for it...\!
Message-ID: <19980903.101225.17926.1.W4BWS@juno.com>

Only if you put a reflector behind the dipole and "concentrate " that RFor put up a "ZL Special". Of course if the Pinetrees ar high enough you could put several reflectors on the ground 1/8 wave below the dipole

and saturate the Northeast.

Donald E. Sanders W4BWS

694 E. Eau Gallie Blvd. Satellite Beach, Fl 32937

407-779-0222 Fax 407-779-0830

E-mail to w4bws@juno.com

My favorite QRP rig glows in the dark

On Thu, 03 Sep 1998 09:17:50 -0400 Zack Lau <zlau@arrl.org> writes:

>Does this mean that a dipole over high sloping ground to

>put major lobe right at the horizon has 10 dB gain over

>that tribander??? Higby Mountain in Middletown CT looks

>like a great place to put a very high dipole--Zack W1VT

>

>

>

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Date: Thu, 3 Sep 1998 09:19:39 -0500

From: "Charles O. Henderson" <5400@email.msn.com>

To: <qrp-l@Lehigh.EDU>

Subject: [19193] CB to 10 Conversions

Message-ID: <00ba01bdd745\$e41d90a0\$a11afed0@hp-customer>

During the last cycle in the late 1970's I recall a large number of magazine articles that appeared in 73 Magazine to make conversions of CB radios to 10 meters. I saved a number of the articles but they have long since disappeared. The articles were in the era of 1977-1979.

Wayne Green of 73 has available all of the old 73 issues on CD but I don't have them and don't want to spend too much money to acquire them but someone out there may have them available. Another approach may be to prevail upon Wayne to review his archives and publish another goodie for inclusion on his growing list of pamphlets, booklets and books.

Sure wish that I had saved those old articles.

Charles Henderson - WB9VJD

5400@msn.com

Date: Wed, 02 Sep 1998 07:35:27 +0000
From: Bob Hightower <ki7mn@dancris.com>
To: k5zty@juno.com
Cc: qrp-l@Lehigh.EDU
Subject: [19194] re: QRP To The Field
Message-ID: <199809031429.HAA25276@user2.dancris.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

At 01:38 AM 9/3/98 -0500, you wrote:

>Hello NEQRP Club,

>

>I posted an inquiry about this contest a couple of weeks ago and got no
>reply. It takes some time to make arrangements to do this contest and
>time is running short.

>

>If there is going to be a contest on Sept 19th, please post the times,
>rules and contest managers name and address. If there is not going to be
>one that is OK too but please post a cancellation.

>

THIS contest has been somewhat of an institution, paired with QRPTTF, for
the past few years. Maybe in NEQRP Club doesn't want to do it anymore, they
could publicly relinquish it to some other club?

Bob Hightower KI7MN <http://www.dancris.com/~ki7mn>

Date: Thu, 3 Sep 1998 09:21:55 -0600 (MDT)
From: marion@montana.com
To: qrp-l@Lehigh.EDU
Subject: [19195] Ten-Tec kits
Message-ID: <199809031521.JAA17952@paw.montana.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Have seen a few posts about the Ten-Tec kit reveiwed in QST. I have
been building kits since I was 13, now 43. I built the 1340 kit. It had a
crappy pc board, had to mess with it for hours to get it to work, and thumps
like crazy. I did make one contact with it, and now it sits gathering dust.
My experince with Ten-Tec kits has been from good to pure junk. And I would
recommemd any other QRP kit but them. Their transverters work reasonably
well. But on the 6 to 20 mtr model, the 5watt input network is 1/16th of an
inch from the oscillator crystal, so she drifts as you use it. I' glad
Ten-Tec and others have got the kit business started again, but if you make

a piece of crap, admit it. My 1340 is for sale for \$50 shipped in US. Roy AB7CE

Date: Thu, 3 Sep 1998 09:30:39 -0500
From: "Kevin Muenzler WB5RUE" <wb5rue@stic.net>
To: "'Low Power Amateur Radio Discussion'" <qrp-1@Lehigh.EDU>
Subject: [19196] RE: CB to 10 Conversions
Message-ID: <19980903143059899.AAA259@muenzlerk>

I remember some in QST and 73. Most were for the crystal controlled variety of CB radios. I converted a Radio Shack 6 channel CB to 10 meters. All I had to do is order different crystals and make some slug adjustments. Worked like a champ! It's a but more complicated with today's PLL rigs.

Kevin, WB5RUE

> -----Original Message-----
> From: owner-qrp-1@Lehigh.EDU
> [mailto:owner-qrp-1@Lehigh.EDU]On Behalf Of
> Charles O. Henderson
> Sent: Thursday, September 03, 1998 9:20 AM
> To: Low Power Amateur Radio Discussion
> Subject: CB to 10 Conversions
>
>
> During the last cycle in the late 1970's I recall a large
> number of magazine
> articles that appeared in 73 Magazine to make conversions of
> CB radios to 10
> meters. I saved a number of the articles but they have long since
> disappeared. The articles were in the era of 1977-1979.
> Wayne Green of 73 has available all of the old 73 issues on
> CD but I don't
> have them and don't want to spend to money to acquire them
> but someone out
> there may have them available. Another approach may be to
> prevail upon
> Wayne to review his archives and publish another goodie for
> inclusion on his
> growing list of pamphlets, booklets and books.
> Sure wish that I had saved those old articles.
> Charles Henderson - WB9VJD
> 5400@msn.com

>
>
>
>
>
>
>

Date: Thu, 3 Sep 1998 09:24:24 -0500
From: kreinbd@ccgate.dl.nec.com (David Kreinberg)
To: qrp-l@Lehigh.EDU
Subject: [19197] 20m - GOOD SHOW!
Message-ID: <000AB222.4159@ccgate.dl.nec.com>
Mime-Version: 1.0
Content-Type: text/plain; charset=US-ASCII
Content-Transfer-Encoding: 7bit
Content-Description: cc:Mail note part

Gang:

I spent some time on 20m last night. Was in good shape. I worked Z32XA (Macedonia) on 14.017 @ 0300z. I think this is a fairly rare catch, no? I may try to QSL him direct.

Anybody else catch him? Also worked a UA and CE. When are people having their best DX luck these (time wise) days on 20?

TIA.

73 de Dave, NR3E
QRP-L #25
nr Dallas, TX

Date: Thu, 3 Sep 98 10:46:03 EDT
From: jeverhar@cse.l-3com.com
To: qrp-l@Lehigh.EDU
Cc: jeverhar@cse.l-3com.com
Subject: [19198] DQOD

Message-ID: <9809031446.AA13658@train11.cse.l-3com.com>

Gang,

I'm at work and don't have docs handy so here's my Dumb Question of the Day...

What size is the coaxial power jack on the NC-40/Sierra/etc.?

5.5/2.1mm seems right from memory. What is it in truth?

I feel sooo dum

72/73,

Joe E., N2CX

Date: Thu, 3 Sep 1998 10:44:51 -0400
From: Ronald_A_Pfeiffer@res.raytheon.com
To: qrp-1@Lehigh.EDU
Subject: [19199] re: QRP To The Field
Message-ID: <85256674.0050D268.00@ressud-as01.res.ray.com>
Mime-Version: 1.0
Content-type: text/plain; charset=us-ascii

Being member of NEQRP, all I know is Dave Benson is in charge
according to the web page

<http://www.eichhoff.com/neqrp/upcoming.htm#News>

Ron - N1ZSW

Date: Thu, 3 Sep 1998 10:40:37 -0400
From: cy r currier <crc3@telplus.net>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>, "'radman@best.com'"
<radman@best.com>
Subject: [19200] RE: Elvis and Polyvaricon -- demystified
Message-ID: <01BDD729.5F184920@bgr49.lobster.net>
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: 7bit

by attributing b-52's to ww2 u bent history some. they were post korea. the b-47 era was after korea , next came the b-52. cy - k1tes

From: Radman
Sent: Thursday, September 03, 1998 5:42 AM
To: Low Power Amateur Radio Discussion
Subject: Elvis and Polyvaricon -- demystified

Elvis and the Polyvaricon an historical perspective

by Conrad Weiss - NN6CW

History credits Mitsumi (Japan) with the creation of the "Polyvaricon" (POLYethylene + VARIable + CONDenser) in 1955. In that era, tuning capacitors (condensers) were beefy air-variable, metal monsters made for AM table receivers or leftovers from WW-2 B-52s. American multi-gang tuning condensers often weighed several pounds -- while the Mitsumi Polyvaricon weighed mere ounces and took up less space than a roll of first-class postage stamps.

In late 1955, Mitsumi, a puny Japanese start-up, joined hands with Sony, another Japanese no-name, and created the SONY TR-6 -- the 6-transistor pocket radio that launched Elvis Aaron Presley. Mitsumi, Sony and Elvis were inseparable. While Elvis and "Hound Dog" dominated the Top 20, the Japanese continued to set new records in miniature radio design. Sony's ICR-120 still holds the claim to the smallest loudspeaker radio ever built -- unchallenged to this day.

The King racked up gold records, a gaudy fortune and developed an insatiable appetite for chitlins, vending machine food and Valium tablets. Mitsumi and Sony, between them, banked \$500M in transistor radio ventures -- mere seed money for future Walkmans.

But nothing lasts forever. The King -- an innocent victim of his own southern cookin' -- made a quiet exit to that Graceland in the sky. And, today only the muted Conelrad ('CONTROL of Electronic RADIation') warning system -- with those weird little triangle dial symbols at 640 kc and 1240 kc still listens for the soundtrack of 'Blue Hawaii.'

The great Men of Electricity, once deceased, are often

honored by having some unit of measure commemorate the immensity of their contributions. Isn't it time we paid our debt to Elvis the King of miniature electronics and created some unit of measure in his namesake? Would a Wilderness SST measure about 1.58 Presley's? Would a TenTec Scout measure about 1.07 Hound Dogs?

Don't get All Shook Up. I'm sure you folks will think of something.

72 Conrad Weiss NN6CW

Date: Thu, 3 Sep 1998 10:01:17 -0500
From: "Kevin Muenzler WB5RUE" <wb5rue@stic.net>
To: <jeverhar@cse.l-3com.com>, "'Low Power Amateur Radio Discussion'" <qrp-1@Lehigh.EDU>
Subject: [19201] RE: DQOD
Message-ID: <19980903150119289.AAA268@muenzlerk>

Don't feel dumb! Why put to memory those things you can either look up or ask someone else? That's why I have a band-plan chart on my shack wall!

Kevin

> -----Original Message-----
> From: owner-qrp-1@Lehigh.EDU
> [mailto:owner-qrp-1@Lehigh.EDU]On Behalf Of
> jeverhar@cse.l-3com.com
> Sent: Thursday, September 03, 1998 9:46 AM
> To: Low Power Amateur Radio Discussion
> Subject: DQOD
>
>
> Gang,
>
> I'm at work and don't have docs handy so here's my Dumb
> Question of the Day...
>
> What size is the coaxial power jack on the NC-40/Sierra/etc.?
>
> 5.5/2.1mm seems right from memory. What is it in truth?

>
> I feel sooo dum
>
> 72/73,
>
> Joe E., N2CX
>
>

Date: Thu, 3 Sep 1998 10:18:34 -0500
From: Barry Keating <barry.p.keating.1@nd.edu>
To: qrp-1@Lehigh.EDU
Subject: [19202] First Wireless Transmission Special Event
Message-ID: <v03007802b21460985d31@[129.74.86.74]>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

I believe this qualifies as QRP because the first radio transmission in North America was indeed QRP!

The Notre Dame Amateur Radio Club will host a special event station this Saturday (September 5, 1998) to commemorate the "100th Anniversary of the First Wireless Transmission In North America."

Professor Jerome Green of Notre Dame sent a Morse Code message from the campus of Notre Dame to the campus of St. Mary's College 100 years ago.

The operators of this Saturday's special event station are students with newly minted licenses; give them a little leeway when answering their CW CQ's. The station will use the club callsign: ND1U.

Stations sending a QSL will receive (with a SASE) a special ND1U QSL card with a copy of the diagram which appeared in the Chicago Herald the day after the original event.

The original event is detailed in an article in the August CQ magazine.

Details of the special event station (which includes CW frequencies) are located in CQ, QST, 73, and at:

<http://www.nd.edu/~ndarc/ndarchomepage.html>

Barry Keating
Faculty Advisor to the Notre Dame Amateur Radio Club

Date: Thu, 03 Sep 1998 11:36:47 -0400
From: Zack Lau <zlau@arrl.org>
To: qrp-l@Lehigh.EDU
Subject: [19203] Re: Low Power
Message-ID: <35EEB78F.6423@arrl.org>
Mime-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Superb operating technique optimized for the current propagation conditions.

2M QRP EME--W5UN sets his speed to allow best copy by ear of weak callsigns during libration peaks. Smart operators match his speed.

10 GHz DX--I don't bother with CW unless the guy on the other end knows the code and hope he knows standard phonetics.--Zack W1VT

Date: Thu, 3 Sep 1998 11:38:14 -0400
From: "Ken & Linda Burrough" <ne0c@1st.net>
To: "QRP-L" <qrp-l@Lehigh.EDU>
Subject: [19204] DX on 20 Meters
Message-ID: <005701bdd750\$f5af3de0\$8706f0d1@ne0c.1st.net>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Hi Gang

I worked Tim/m0bew in Birmingham on 20 last night at 2311Z. RST was 589/559. Frequency was 14.009. MAA/MZZ call sign series is assigned to United Kingdom of Great Britain and Northern Ireland under the Allocation of

International Call Sign Series as listed in The ARRL DXCC Countries List. I think I have a good one.

72 Ken/ne0c (The Buzzard Roost) Flushing, Ohio

Date: Thu, 3 Sep 1998 11:41:54 -0400
From: "Ken & Linda Burrough" <ne0c@1st.net>
To: "QRP-L" <qrp-l@Lehigh.EDU>
Subject: [19205] Forgot to Add
Message-ID: <005b01bdd751\$7448e8e0\$8706f0d1@ne0c.1st.net>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Hi Gang

I forgot to add the rig on this end was my ARGO 556 at 5 watts and the antenna was my GAP Challenger Vertical. I love to beat out the KW's.

72 Ken/ne0c at the Buzzard Roost, Flushing, Ohio

Date: Thu, 3 Sep 1998 11:54:58 -0400 (EDT)
From: Chris Cartwright <ccart@dns.vidtel.com>
To: QRP Reflector <qrp-l@Lehigh.EDU>
Subject: [19206] DK3 UPDATE 3-SEP-98
Message-ID: <Pine.LNX.3.93.980903111047.695D-100000@dns.vidtel.com>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Gang,

Here's the list in shipping order (how they'll go out when I get them). The unpaid (you know who you are) orders will change as checks come in from those folks, but *PLEASE* don't send in a check if you haven't already done so. If we have to cancel it will only complicate things later. I will let everyone know when I get ready to ship the unpaid DK3's. We'll have to get halfway through this list before I'd need more checks.

1-N5DUQ 14-WA2YGY 27-KG2NO 40-VE3CWB

2-N6MM	15-W0DC	28-N3BJ	41-AA2YS
3-N10DL	16-W5HNS	29-KQ8RP	42-KB0ROB
4-W4FPJ	17-W5HIR	30-KS4L	43-KD3FG
5-N4EO	18-KB2VTN	31-KB0PTE	44-K8DG
6-K8EAA	19-K5OI	32-W3KC	45-K1MIJ
7-WB2DHK	20-W5RH	33-WA6PBY	46-N9WR
8-W1ME	21-K5FX	34-KB0REI	47-WA2YGY
9-W6JDB	22-W5YR	35-N2MS	48-KB6VIR
10-AL7FS	23-KU7Y	36-W6TOY	49-N3XRV
11-KJ7NR	24-KL0MR	37-VE7DXJ	
12-WA4HHP	25-K5FO	38-N2TO	
13-N1ZSW	26-K8IQY	39-KE6VHM	

As usual, if I screwed up, or fat fingered your call, or whatever, drop me a line and I'll get it corrected. I haven't got one of these updates out perfect yet:) Spent about 5 hours, 400 emails, and six pages of notes, on this this morning so I should be close! Also, if you know someone listed here who isn't on QRP-L, please have them get in touch with me so I can mail it to them seperately. We're closing in of five months since I started (caused?) this group buy and I sure hope it wraps up soon.

p.s. I have a letter out to W6AAQ, but don't expect a reply for another week at the earliest.

72 es tn timer to all fer ur patience!

```
-- Chris Cartwright, Technical Engineer | ccart@vidtel.com --
-- N3XRV ARRL-VE Norcal Zombie #163 | Gaithersburg, MD FM19je --
-- MDmW #5 NJ-QRP #105 QRP-L #655 NORCAL #1891 FISTS #5028 QRP-ARCI #9271 --
```

```
-----
Date: Thu, 3 Sep 1998 11:22:05 -0400
From: "Richard E. Robinson" <rerobins@email.uncc.edu>
To: qrp-l@Lehigh.EDU
Subject: [19207] Re: Elvis and Polyvaricon -- demystified
Message-ID: <v03102801b2143d3514ba@[152.15.144.71]>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
```

Conrad Weiss writes:

>Elvis and the Polyvaricon an historical perspective

Since history was my major, I find an "historical perspective" needs to be

factual. I don't mean to pick nits here, but let's keep in mind history is our perception of the past not the past itself.

>receivers or leftovers from WW-2 B-52s.

B-52s are early 50s vintage aircraft not WW-2 vintage. Perhaps the example should be a B-17 and the later WW-2 vintage bomber the B-29.

>In late 1955, Mitsumi, a puny Japanese start-up, joined
>hands with Sony, another Japanese no-name, and created the
>SONY TR-6 -- the 6-transistor pocket radio that launched
>Elvis Aaron Presley.

The pocket sized transistor radio as we know it was developed in the USA by Regency and was the model TR-1, circa 1953. (Go price a TR-1, they were at my last siting around \$300 on up.) As in many other areas, the Japanese refined an existing product rather than invent it. Music historians agree that Elvis Presley's rise to national fame was due to television rather than the transistor radio. Elvis was a local Southern rockabilly sensation for a year or two until Steve Allen and Ed Sullivan both put him on prime time TV creating a national craze. Rather than the transistor radio creating Elvis, I would assert that Elvis and others created the appetite for transistor radios establishing a market for the Sony TR-6 and the other endless copies of the Regency TR-1 that followed.

BTW, my 49-er in the Altoids box weighs .06 Jail House Rock or 1.2 Chuck Berrys.

72/73,

Rick kf4ar

Date: Thu, 03 Sep 1998 12:02:02 -0400
From: Zack Lau <zlau@arrl.org>
To: qrp-1@Lehigh.EDU
Subject: [19208] Re: 30 dB of receive gain? -- the Germans are going for it...\\!
Message-ID: <35EEBD7A.30E5@arrl.org>
Mime-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Dave, NN1G, took me to Mt Higby for a September VHF contest. I remember it as a narrow ridgeline with very steep 350-400 ft drop off to the west--you could suspend an HF dipole over the valley to make an antenna that works better for low angle paths than a typical tribander on a 50 ft tower over flat earth--Zack W1VT

Date: Thu, 3 Sep 1998 10:56:20 -0500
From: "Kevin Muenzler WB5RUE" <wb5rue@stic.net>
To: <barry.p.keating.1@nd.edu>
Cc: "'Low Power Amateur Radio Discussion'" <qrp-1@Lehigh.EDU>
Subject: [19209] RE: First Wireless Transmission Special Event
Message-ID: <19980903155624468.AAA171@muenzlerk>

What size envelope should one use for the SASE? Regular "qsl size", legal, 6X9...?

Thanks

Kevin, WB5RUE

> -----Original Message-----
> From: owner-qrp-1@Lehigh.EDU
> [mailto:owner-qrp-1@Lehigh.EDU]On Behalf Of
> Barry Keating
> Sent: Thursday, September 03, 1998 10:19 AM
> To: Low Power Amateur Radio Discussion
> Subject: First Wireless Transmission Special Event
>
>
> I believe this qualifies as QRP because the first radio
> transmission in
> North America was indeed QRP!

>
> The Notre Dame Amateur Radio Club will host a special event
> station this
> Saturday (September 5, 1998) to commemorate the "100th
> Anniversary of the
> First Wireless Transmission In North America."
>
> Professor Jerome Green of Notre Dame sent a Morse Code
> message from the
> campus of Notre Dame to the campus of St. Mary's College 100
> years ago.
>
> The operators of this Saturday's special event station are
> students with
> newly minted licenses; give them a little leeway when
> answering their CW
> CQ's. The station will use the club callsign: ND1U.
>
> Stations sending a QSL will receive (with a SASE) a special
> ND1U QSL card
> with a copy of the diagram which appeared in the Chicago
> Herald the day
> after the original event.
>
> The original event is detailed in an article in the August CQ
> magazine.
>
> Details of the special event station (which includes CW
> frequencies) are
> located in CQ, QST, 73, and at:
>
>
>

<http://www.nd.edu/~ndarc/ndarchomepage.html>

Barry Keating
Faculty Advisor to the Notre Dame Amateur Radio Club

Date: Thu, 03 Sep 1998 08:57:53 PDT

From: "Dan Hanson" <kd6rxz@hotmail.com>
To: qrp-1@Lehigh.EDU
Subject: [19210] RE: Polyvaricon Capacitor
Message-ID: <19980903155755.16297.qmail@hotmail.com>
Content-Type: text/plain

The 24TR222 are dual-sections, unmatched. Section 1 is a 5 - 141pf section, Section 2 is a 5 - 54pf section. I'm not completely sure if you can use this cap in a Z-match tuner, however, the design I'm buliding calls for a dual-section, matched cap. (both section are 5 - 266pF). I was going to purchase a ZM-2 from Emtech, but, I was too late, so now I'm trying to bulid my own design.

If I don't find one, I guess I'll have to build a T-match instead.

72 de KD6RXZ, Dan

>Date: Thu, 3 Sep 1998 08:09:00 -0500
>Reply-To: wr.moore@worldnet.att.net
>From: "Randy Moore" <wr.moore@worldnet.att.net>
>To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
>Subject: RE: Polyvaricon Capacitor
>
>> Hi Dan, Sounds like the one I supply with the Rainbow
Enclosure...Mouser #
>> 24TR222 (\$1.52), mounting screws Mouser # 48SS003, (\$.04 ea, need qty
2),
>> you will also need a M2.5 x .45 screw for the knob, same thread as
the
>> mounting screws, but something longer...I have a few of those...72
Doug
>> Hauff KE6RIE
>
>I ordered a couple of these last week and they arrived yesterday. They
are
>very similar to the ones supplied with the ZM-2, but physically smaller
and
>with a different connection arrangement. Doug, can you confirm that
these
>are 266 pf per section? The capacitor plates appear to be
significantly
>smaller, and perhaps fewer in number (hard to tell) than on the ones
from
>Roy.
>
>If these are the right ones, ordering from Mouser would be the way to
go -
>no minimum order.

>
>By the way, why do these go bad? Is it the RF voltages encountered
during
>adjusting the SWR that damages the thin plastic film, or what?
>
>72,
>Randy, KS4L
>
>
>

Get Your Private, Free Email at <http://www.hotmail.com>

Date: Thu, 3 Sep 1998 10:00:43 -0600
From: "Marshall Emm" <mgemm@mtechnologies.com>
To: qcq@edison.chisp.net, qrp-1@Lehigh.EDU
Subject: [19211] CQC Meeting Saturday
Message-ID: <199809031559.JAA21142@edison.chisp.net>
MIME-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7BIT

The September meeting of the Colorado QRP Club will be held this
Saturday, September 5th, at the Castlewood Library. The library is at
S. Uinta and Arapaho Rd, two lights West of I-25. We'll kick off at
10:00am and the meeting will be followed by lunch at a nearby
restaurant for those who want to carry on.

A map can be found on the CQC web site at <http://www.cqc.org/events>.

The program is on homebrewing (of radio gear, not beveredges, not even
antenna-type beveredges) presented by Nick Hulbert, KG5N. You may
recall Nick's homebrewed Sierra from Low Down #22, and there are
pictures on the web site (<http://www.cqc.org/sierra.htm>).

Hope to see you there!

73
Marshall Emm
N1FN/VK5FN
n1fn@MorseX.com
Morse Express

"Everything for the Morse Enthusiast"

<http://www.MorseX.com>

(303)752-3382

--

Date: Thu, 3 Sep 1998 10:59:32 -0600 (MDT)
From: marion@montana.com
To: qrp-1@Lehigh.EDU
Subject: [19212] TEN -TEN 1340
Message-ID: <199809031659.KAA20664@paw.montana.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

The Ten-Tec 1340 is sold. Roy AB7CE

Date: Thu, 03 Sep 1998 11:19:30 -0500
From: "George T. Baker" <w5yr@swbell.net>
To: rerobins@email.uncc.edu
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [19213] Re: Elvis and Polyvaricon -- demystified
Message-ID: <35EEC192.75897C02@swbell.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

And for a little more detail, the Regency was the first application of TI transistors in a consumer product!

(Retired from TI in February 1985)

72/73, George Amateur Radio W5YR, now in the 53rd year!
AutoPOWER Systems, Fairview, TX (30 mi NE Dallas) 33.2 N 96.6 W EM13RE
QRP-L 1373 QRP-ARCI 9583 FISTS 4930 ARS 403 ICQ 16819496 10-X 11771

Richard E. Robinson wrote:

> The pocket sized transistor radio as we know it was developed in the USA by
> Regency and was the model TR-1, circa 1953.

Date: Thu, 03 Sep 1998 11:27:25 -0500
From: "George T. Baker" <w5yr@swbell.net>
To: marion@montana.com
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [19214] Re: Ten-Tec kits
Message-ID: <35EEC36D.AF7E5EF2@swbell.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Gonna be kinda hard to peddle after that glowing account of its performance,
Roy! ;^)

72/73, George Amateur Radio W5YR, now in the 53rd year!
AutoPOWER Systems, Fairview, TX (30 mi NE Dallas) 33.2 N 96.6 W EM13RE
QRP-L 1373 QRP-ARCI 9583 FISTS 4930 ARS 403 ICQ 16819496 10-X 11771

marion@montana.com wrote:

My 1340 is for sale for \$50 shipped in US. Roy AB7CE

Date: Thu, 03 Sep 1998 11:53:08
From: Steven Weber <kd1jv@moose.ncia.net>
To: rexstout@uswest.net
Cc: qrp-1@Lehigh.EDU
Subject: [19215] Re: 11-2-10, FAQ's
Message-ID: <3.0.3.16.19980903115308.2c2f3858@mailhost.ncia.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Hi John, et all,

>OK, first, how exactly do these conversion kits work?

Thier designed specificly to work with the Maxon CBM-30 sold by Wall-Mart
for \$34.95. The Radio Shack 21-1701UQ, currently on close out sale of
\$34.99, looks to be the identical radio inside, just has a slightly
different case.

You pull the PLL chip from the radio and a few other associated parts, add
some SIP sockets and plug in the board. The board has a cpu and PLL chip on
it. The CB will now tune 29.00 to 29.50 Mhz in 5 Khz steps. Of course,

there are some minor mods to the Tx chain and some coils to retune.

> Do they have nice digital freq readouts?

It uses the two digit channel display, reading in 10 Khz incerments. I "blink" 10 Khz digit to show you've tuned the 5 Khz "in between" step.

> How does it tune(use the buttons/knobs from the radio, or something new)?

You jumper the channel up/down push buttons on the front panel to the new board. If you hold down a button, it auto incerments.

>How much do the kits cost?

Target price is about \$25.00

The question

>about the freq readout has something to do with the two-digit display that
>is on the CB rig. I would think that that expensive CB with the big LCD
>display that shows the frequency and everything would be interesting, and
>maybe a little easier or harder depending on how you look at it.

Much harder, as those have a custom cpu to drive all the LCD segments and are in a many pin quad flat pack, nearly impossable to remove from the pcb.

> And is it possible to add SSB to normal AM rigs?

No. It would be easier to build an SSB rig from scratch than to modify an AM rig to SSB. Similer problems with making it do CW. Although possible, it would be a very marignal CW rig. I highly recommend getting a 10 M CW kit designed to do the job right. For SSB, find a used RS HTX-100, before people want to use them again.

Project status:

I know I haven't been moving along very fast of late. Keep getting side tracked. I plan on having the boards made very soon and order the rest of the parts. Maybe yet another month before thier ready.

72,

Steve, KD1JV....In the White Mountains of New Hampshire

"Melt Solder"

Date: Thu, 3 Sep 1998 12:42:56 EDT
From: Bensondj@aol.com
To: qrp-1@Lehigh.EDU
Subject: [19216] QRP Afield / the natives are restless
Message-ID: <bd42ad5a.35eec710@aol.com>
Mime-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7bit

gang-

This is to confirm the date and time for the 'QRP Afield' operating activity:

(Saturday) Sept 19, 1998 1800Z-2200Z.

I've just circulated a draft announcement for this activity. I'll put up a more detailed posting- with rules- later today. Thanks for your patience!

72, Dave Benson, NN1G

Date: Thu, 3 Sep 1998 11:00:30 -0600
From: "James R. Duffey" <ji3m@maxwell.com>
To: qrp-1@Lehigh.EDU
Subject: [19217] QRP Baluns
Message-ID: <v03007801b214782793e9@[199.120.49.102]>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

I have a few things to add to Tracy's excellent answer to Alen / S53MA's question on QRP baluns.

I agree that small cores and transmission lines based on small diameter wires will result in mediocre efficiency. The baluns described by Sevick and wound on the FT125 core is probably the smallest core size that will still give reasonable efficiency.

Tracy - I wonder if any of the baluns you measured were of the "W1JR" type with coax wound on a ferrite core. I would think a compact balun could be wound from 10 or so turns of RG174 on a 1 inch core. Just a thought.

If one is looking for compact lightweight baluns, the bead baluns developed by W2DU should give efficiencies higher than the 80% measured by Tracy for the baluns based on ferrite cores, but not as high as the baluns described by Sevick. Both 1:1 and 4:1 baluns can be made in this fashion. The choking action may not be sufficient at low frequencies, but it should be adequate

above 20 M.

Air core baluns from coiled coax are another alternative, although these are bulkier than the ferrite based baluns. - Dr. Megacycle KK6MC/5

James R. Duffey KK6MC/5 DM65tc <jamesd1@flash.net>
30 Casa Loma Road
Cedar Crest NM 87008

Date: Thu, 3 Sep 1998 10:10:52 -0700 (PDT)
From: KC5TJA <kc5tja@topaz.axisinternet.com>
To: Barry Keating <barry.p.keating.1@nd.edu>
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [19218] Re: First Wireless Transmission Special Event
Message-ID: <Pine.LNX.3.96.980903100600.21767C-1000000@topaz.axisinternet.com>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Thu, 3 Sep 1998, Barry Keating wrote:

> Professor Jerome Green of Notre Dame sent a Morse Code message from the
> campus of Notre Dame to the campus of St. Mary's College 100 years ago.

I believe that Dr. Mahlon Loomis predated Jerome Green by at least 30 years, and has a U.S. Patent on it as well, if memory serves me correctly. While he didn't send morse code, he did achieve two-way radio communications by using a proprietary code. It definately was wide-band, though. His antennae were two metallic kites connected to spark transmitters. I remember the year 1837 as being a land-mark year for him.

However, he never received one iota of recognition for it. Marconi, at least a decade later, is now heralded the "current inventor of wireless communications."

Just thought I'd throw in this food for thought. If you want, I can perform some more research on this, as time permits.

=====
KC5TJA/6 | -| TEAM DOLPHIN |-
DM13 | Samuel A. Falvo II
QRP-L #1447 | <http://www.dolphin.openprojects.net>
Oceanside, CA |.....

Date: Thu, 3 Sep 1998 13:28:02 -0400
From: Greg Weinfurtner <gweinfurt1@ohiou.edu>
To: qrp-l@Lehigh.EDU
Subject: [19219] Gibson Girl questions
Message-ID: <v03110702b214811f6de2@[132.235.81.22]>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Hey gang,

I've got a Gibson Girl...Haven't looked at it for a few years though. What frequency do they operate on? Power? There seems to be an auto keying function, with a notched wheel. and an antenna included. Anyone have any info to share?

72 de NS80 #297 QRP-L

Date: Thu, 03 Sep 1998 17:30:51 GMT
From: nhoop@centuryinter.net (N H)
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [19220] Re: Ten-Tec kits
Message-ID: <35efd1e5.21345221@mail.ot.centuryinter.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

What test equipment is needed to complete this?

72 Nat KM5QU
Oxford AR

>My 1340 is for sale for \$50 shipped in US. Roy AB7CE

Date: Thu, 3 Sep 1998 13:31:34 -0400
From: "Don McKechnie" <donmck@erinet.com>
To: qrp-l@Lehigh.EDU
Subject: [19221] Re: Ten-Tec kits
Message-ID: <199809031729.NAA08411@erinet.com>
MIME-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7BIT

I built something in 1958 with octal sockets and transformers. The next thing I built was last year, a Ten-Tec 1330. I found it difficult, not because of it, but because of 40 years and now tiny parts! I was ham handed so to speak. My only complaint about the Ten-Tec kit is the RCA power plug. It has to be protected when unplugged and there are 2 other RCA sockets next to the power socket. Even I did a sloppy job, I find that it does the job, sensitive receiver, good audio, and results show that the rf output is put out!

> Gonna be kinda hard to peddle after that glowing account of its
> performance, Roy! ;^)
>
> 72/73, George Amateur Radio W5YR, now in the 53rd year!
> AutoPOWER Systems, Fairview, TX (30 mi NE Dallas) 33.2 N 96.6 W EM13RE
> QRP-L 1373 QRP-ARCI 9583 FISTS 4930 ARS 403 ICQ 16819496 10-X 11771
>
>
> marion@montana.com wrote:
>
> My 1340 is for sale for \$50 shipped in US. Roy AB7CE
>
>

72 de w8izz, Don

Date: Thu, 3 Sep 1998 12:36:43 -0500
From: Tellefsen Bob-CNSE97 <cnse97@lmpsil02.comm.mot.com>
To: ccieslak@LAW.UIUC.EDU
Cc: QRP-L list <QRP-L@Lehigh.EDU>
Subject: [19222] Re: Rectangular Meter hole
Message-ID: <95A8AD93C03DD2118BD300805FA79E7425F287@s-il02-g.comm.mot.com>
MIME-Version: 1.0
Content-Type: text/plain

Chris

I've used this scheme to cut PC board, but it should work equally well for your die-cast box.

At my local hardware store I found a miniature hacksaw. The frame looks a lot like a coping saw, but the blade has about 32 teeth per inch, a rather fine cutting blade.

For a hole, I cover the hole area with masking tape and mark the cutting pattern on it.

Remove the blade from the frame for a moment. Use a drill to make a hole a bit in from a corner to put the blade end through. Then reassemble the blade in its frame.

The fine teeth give good control, and if you hold the blade at a shallow angle to the metal you are cutting, the groove is long and shallow, providing further guidance for the blade and avoiding odd cuts to one side or the other of the cutting line.

Good luck, Chris, and 73,
Bob N6WG

Date: Thu, 03 Sep 1998 12:44:42 -0500
From: "Jeff M. Gold" <JGold@tntech.edu>
To: QRP-L #98 <qrp-l@Lehigh.EDU>
Subject: [19223] DK3
Message-ID: <011f01bdd762\$88478fc0\$4d0b9595@Jeffro.cc.tntech.edu>
MIME-version: 1.0
Content-type: text/plain; charset="iso-8859-1"
Content-transfer-encoding: 7bit

What is a DK3?

72
Jeff, AC4HF

Date: Thu, 3 Sep 1998 13:47:56 EDT
From: RobCap@aol.com
To: HEATH@LISTSERV.TEMPE.GOV, qrp-l@Lehigh.EDU
Subject: [19224] Unbuilt Heathkits All Gone, Except Color TV
Message-ID: <42fa0c7e.35eed64c@aol.com>

Mime-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7bit

All of the unbuilt Heathkits are gone except for the color TV. I'm happy to report, that the micromatic keyer went to one of the original engineers who designed the device.

I'd still like to sell the color television, and the market has expressed its lack of interest. So I'm dropping the price to \$275, plus \$100 for shipping. Or I'll entertain offers or trades.

Thanks to all who contact me. There was an avalanche of interest, and I even had three offers on the ridiculous SK-107. It was sold to a fellow who sold his, and he really missed it. I still can't figure out what it does.

73,

Rob, W3DX

Date: Thu, 3 Sep 1998 12:40:05 -0700
From: mnhopkins@juno.com (Michael N Hopkins)
To: QRP-L@Lehigh.EDU
Subject: [19225] CB to 10, 38 cites from 73 Mag.
Message-ID: <19980903.124512.-79123.0.MNHopkins@juno.com>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit

Ok, good buddies, 73 Magazine reprised its CB conversion articles in November, 1989 on page 25. Here are the articles:

- 1 Bandplan and Crystal info, May '77
- 2 Conversion Data, May 77
- 3 Radio Shack TRC-47, Jul '77
- 4 Johnson Messenger 123A, Jul '77
5. Hy-Gain 670B, Jul '77
- 6 Antenna Suggestion, Dec '77
- 7 Radio Shack TRC-11, Dec '77
- 8 The Publicom I, Feb '78
9. How about SSB Conversions? Jul '78
- 10 Radio Shack TRC-11 and TRC-74, Aug '78
- 11 Radio Shack Realistic Mini 23, Sep '78
- 12 Hy-Range 681A (Hy-Gain) Sep '78
- 13 Kraco KCB-2310B, Oct '78

14 Lafayette Telsat SSB-75, Nov '78
15 Radio Shack Realistic TRC-452, Nov '78
16 CB Walkie-Talkie Conversion, Nov '78
17 Sharp Mod. CB-800A, Jan '79
18 SBE Sidebender III and Pace 123A, Jan '79
19 Midland 13-882C and Other PLL Rigs, May '79
20 Lafayette SSB-75 and SSB-100, Jun '79
21 Royce I-655, Nov '79
22 Johnson Viking 352, Nov '79
23 CB to 10 FM - Part I, Jan '80
24 CB to 10 FM - Part II, Feb '80
25 More Talk Power for the TRC-11, Mar '80
26 Sears RoadTalker 40, Mar '80
27 Penney's SSB Rig, Apr '80
28 The Poly-Packs 40-Ch CB Board, Jun '80
29 The Cobra 132
30 New Life for SSB CB Rigs, Jul '80
31 Double your Channels in SSB Conversions, Jul '80
32 On Ten FM, Aug '80
33 Put That Hy-Gain CB Board to Use, Sep '80
34 Peaking and Tweaking Hy-Gain Boards, Mar '82
35 CB to CW? (Hy-Gain) Jul '82
36 Maximum Modulation for CB Conversions, Dec '82
37 Beef Up Your CB-to-CW Conversions, Dec '82
38 Add a Digital Readout to Your CB Conversion, Feb '83

73 de ab5L, michael in Dallas, student of Six Meters' Golden Age,
1957-58,
and two of its jewels: Tecraft and International Crystal ham products.
Michael N. Hopkins
Box 226841
Dallas, TX 75222 MNHopkins@Juno.com

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Date: Thu, 03 Sep 1998 12:55 -0600
From: "Karl Kanalz - Dallas" <kkanalz@optelinc.com>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>, "bob evinger"
<revinger@marshallonline.com>
Subject: [19226] RE: py4pz
Message-ID: <30A74D6E@optelinc.com>

"MG" is the state of Minas Gerais ("General Mines"). All PY4's are from that state of Brasil. If they move to another state, they have to change their callsign (at least it was that way when I was there).

Divinopolis is a smallish city, not too far away from Belo Horizonte, the state "capitol".

K. Kanalz - W8TIF (ex-PY4ZAM, among others...)
McKinney, TX

From: bob evinger
To: Low Power Amateur Radio Discussion
Subject: RE: py4pz
Date: Wednesday, September 02, 1998 10:20PM

After sending my question about him. I found his address under buckmaster. his city is listed as divinopolis, mg Anybody know how brazil is segmented, where is "mg"???

thanks
bob

Bob Evinger | 19250 N. Livingston Road | revinger@marshallonline.com
WD9EKA | Marshall, IL 62441 |

Date: Thu, 03 Sep 1998 13:57:30 -0400
From: "Stephen W. Gibson" <wb4nbi@erols.com>
To: qrp-l@Lehigh.EDU
Subject: [19227] Sale
Message-ID: <35EED88A.5561@erols.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

For sale:

SW40 w/SW enclosure kit. Vetted and polished up by NN1G.
\$75 and I'll ship priority mail.

The usual complaint - too many rigs and the need to make room for the upcoming NorCal 20!!

Steve

Date: Thu, 3 Sep 1998 12:10:33 +0100
From: Denton Bramwell W7DB <Denton@Bramwell.Org>
To: "'qrp-l@lehigh.edu'" <qrp-l@Lehigh.EDU>
Subject: [19228] SG-2020
Message-ID: <5103124387F8D11199DD00A0C925E4B915FF@SQLMAILSERVER>
MIME-Version: 1.0
Content-Type: text/plain

A couple of people have had difficulty reaching the page where my SG-2020 data is posted. If you go directly to www.bramwell.org/qs1s.htm you should bypass any problems, or should be able to directly download the html file. The page makes liberal use of tables.... hope that isn't a barrier.

Date: Sat, 29 Aug 1998 20:42:54 -0600
From: Armstrongs <barmstrong@mail.SISNA.com>
To: "QRP-L List" <qrp-l@Lehigh.EDU>
Subject: [19229] Tnx for 20 meter rig advice
Message-ID: <1.5.4.32.19980830024254.00c4fbd4@mail.SISNA.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Thanks to those who sent messages re: 20 meter rig for Gary, KJ7G. He has the messages and is checking out the leads. I hope to hear him on the air soon from Hawaii, and later from South America.

de N7XJ, Bob in Central Utah

Date: Thu, 3 Sep 1998 14:42:16 -0400 (EDT)
From: tmjpain@mindspring.com (Tom Lundeen)
To: qrp-l@Lehigh.EDU
Subject: [19230] Kits
Message-ID: <v01540b00b21456892bfa@[209.86.171.253]>

Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Hi You all,
I have built three different manufacturers' kits. Oak Hills Research (OHR), Small Wonders Labs (SW) and Ten Tec (TT).
OHR seems to be the Rolls Royce of QRP kits -- best board, components, layout and hardware. I built the OHR 100 15 m transiever -- only difficulty for me was alignment required a 'scope. So I sent it in to OHR for alignment. The newer versions of this kit do not require a scope.
I built SW-80 (first kit for me) had some problems (my own doing) put it in a special case with Super Keyer III. I recently got and built a SW-20+ -- the plus series has many improvements and went together without problems -- put it in a special case too with TICK keyer. I rate the + series just below the OHR for over quality -- but it is also much less expensive, especially if you get board only kit -- and if you do, get the mounting accessory kit too.
I also built a TT 1340. Its a good kit with a bullet proof chassis. OST points out some suggestions for changes in hardware (I agree and had already made most changes to my rig). The 1340 is a good performer, had no problems with construction or alignment. It seems to be a good deal for the price. The board is solid and well designed -- not as fancy and lacks plated thru holes the OHR has.
I like all three manufacturers products and would recommend any one without hesitation. Characterization of the 1340 as a piece of crap is way off base.
I don't have allegiance to anyone and don't get any kickbacks-- but have got a lot of kicks out of building these rigs. So curb your tongue and be more thoughtful in your criticism please.
Best Regards to all
Tom Lundeen, KE4ZJK

tfl

Date: Thu, 3 Sep 1998 14:47:18 -0400
From: "John J. McDonough" <jjmcd@tm.net>
To: <kkanalz@optelinc.com>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [19231] Re: py4pz
Message-ID: <199809031855.7721000@is1.tm.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 7bit

Tony must be a busy boy - I worked him a couple of weeks ago. Only just convinced the Post Office they really do have IRCs, so the QSL hasn't gone out yet.

72/73 de WB8RCR
didleydadidah

Date: Thu, 3 Sep 1998 14:03:25 -0700
From: mnhopkins@juno.com (Michael N Hopkins)
To: QRP-L@Lehigh.EDU
Subject: [19232] Kits quote considered, lauded
Message-ID: <19980903.140336.-79123.3.MNHopkins@juno.com>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit

Consider the quote:

> So curb your tongue and be more
>thoughfull in your criticism please.

Isn't that calling for QRPolitical Correctness?

I thought the original posting refreshingly candid.

I would submit QRP-L might benefit from more pointed assessments in lieu of the customary white noise politness banter which reads like a string of Aves and Our Fathers to every commercial kit packager encountered. This Litany of Dale Carnegeisms gives me a pain in the...weii, you know.

72 de ab5L whose Q-QRP number, 669, speaks some experience.
MNHopkins@JUNO.com

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Date: Thu, 03 Sep 1998 12:20:29 -0700
From: Allan Taylor K7GT <k7gt@qsl.net>

To: qrp-1@Lehigh.EDU
Subject: [19233] MRF237 specs question
Message-ID: <35EEEBFD.3E8E@qsl.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

I have acquired two MRF237s with the intent to put one in the NorCal 40A and the other in the SST. One of the features of both these rigs is that they can operate with 10 - 16V DC power. The stock output transistors (2SC799 or 2N3553) are apparently 28V designs.

My question is: if I convert to MRF237s and run the rigs from ~15-16V (say from 10 D cells), am I flirting with disaster? What is the absolute collector voltage rating on a 237 , especially as compared to the original ones.

Being able to string more than 8 cells together allows better utilization of marginal cells without loss of regulation . It also allows a bit more punch (is that QRO?) on transmit. I have already submitted the MFJ 9020 to this treatment. It sure gets out well with 15V...

--
73 de K7GT
Allan Taylor (a.k.a. Grant) Pleasanton CA
email: k7gt@qsl.net
web page: <http://www.qsl.net/k7gt/index.html>

Date: Thu, 03 Sep 1998 14:31:58
From: Steven Weber <kd1jv@moose.ncia.net>
To: qrp-1@Lehigh.EDU
Subject: [19234] 20 M SSB
Message-ID: <3.0.3.16.19980903143158.2b97a52c@mailhost.ncia.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Yikes, 20 M was nuts last night!

George, W5YR and I couldn't quite make a skid last night, but I did get into Italy, Germany and Sylvania (well, it sounded like the TV set :-)

Funny thing about the DL7 station, I caught him just as he finished tuning up. He said he was going to stay up a while and try to work some state side DX. I told him with his signal (S9+), state side would keep him up all

night long if he wanted. Sure enough, a couple hours later he had one heck of a pile up going, that would not let up. Ya'd think he was some kind of rare DX or something. Feeding frenzy after a DX drought, for sure.

Anyway. I find the best times for DX is gray line, as you might expect. Couple hours after sunset, propagation shifts west and south for me in the NorthEast. By then most of Europe is asleep and only the hard core nut cases are up and about. About midnight local, I hear VK's and ZL's, but no chance I'll work them yet.

I think some week night I'll try making up my own qrp-was contest on 20 ssb and see what happens. But, it woun't be long before I get feed up with the chaos on 20 and get serious about getting on 17, by hook or by crook.

72 and good DX!

Steve, KD1JV....In the White Mountains of New Hampshire

"Melt Solder"

Date: Thu, 3 Sep 1998 14:28:44 -0500
From: "Randy Jouett" <nop@swbell.net>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [19235] The Best of Qrp-l or GQRP-l
Message-ID: <008301bdd771\$11a11e90\$210aa8c0@aldebran>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Hey folks,

Anyone know if there is a "Best of Qrp-L/GQRP-L" CD or compressed archive lurkin' about? If not, some one do this, please? Pretty please, with a "pick your favorite qrp rig" on top :^).

Date: Thu, 03 Sep 1998 14:59:22 -0500
From: Kathi Hilton <kathi2@earthlink.net>

To: qrp-1@Lehigh.EDU
Subject: [19236] SG 2020
Message-ID: <3.0.32.19980903145818.0079e2f0@mail.earthlink.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Hi All,

I got my SGC 2020 via UPS on Monday the 31st, total time from order to delivery was about two weeks and not the two months they said on the phone.

I love it!!!! This is lots better than my HW-7!! I worked three cw stations on 20 meters with just 2 watts no less! and then listened to Radio Vatican afterward. My antenna consists of a very random wire wrapped covertly around my second floor apartment balcony. For those who want to nit pick the unit, have at it, may you be cursed with a HW-7 for the rest of your hamming days! J/K It's sort of like going from a model A to a '98 caddy.

I hope all of you have a nice Labor Day week end. The 2020 and myself are going camping along with a rather tall vertical my special someone helped me build (he drilled the holes). He says women arn't supposed to be handling electric drills; forgive him, he's still in training ;-)

Kathi, N0FKA

One nice thing about standards is there are so many to choose from.

Date: Thu, 3 Sep 1998 15:13:09 -0500
From: "Randy Jouett" <nop@swbell.net>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [19237] Xmitter Based on 2N3553
Message-ID: <009401bdd777\$459f74c0\$210aa8c0@aldebran>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Well, I've been kickin' around the idea of designing a single-transistor, xtal oscillator rig using the 2N3553. (Should only take an hour or two.) I know that I can run into some serious problems using a single transistor (pulling, causing yoop, and chirp, causing spectral impurities), but I was wondering if there are some techniques that would allow me to reduce these problems to a tolerable level. Read: no pink slips from the FCC :^)

Basically, I'm trying to "jam" this rig into something something really

ridiculous, and parts count has to be held to a minimum. Hmmm. How about a Pixie ASIC? :^)

Randy AB5NI
nop@swbell.net

Date: Thu, 3 Sep 1998 16:09:02 -0400
From: "Wilford D. Lindsey" <70511.3041@compuserve.com>
To: //QRP-L Discussion Group <QRP-L@Lehigh.EDU>, "+Doc W.D. Lindsey/K0EVZ" <70511.3041@compuserve.com>
Subject: [19238] Help w/DX Call
Message-ID: <199809031613_MC2-584E-A793@compuserve.com>
MIME-Version: 1.0
Content-Transfer-Encoding: 7bit
Content-Type: text/plain; charset=us-ascii
Content-Disposition: inline

Gang:

Here's hoping someone can help :-). Today on 18.070.06 I heard an extremely fast DX operator from about 1900Z-1935Z. He was sending way too fast for me...plus so many people were calling him that I could not make out his call. He seemed to be working primarily EU, but I heard some NA guys at least calling him back.

Anyway....can anyone help with his call? Many thanks in advance.

72/73,
--Doc Lindsey/K0EVZ Rochester, MN--Home of the Mayo Clinic.
MWBC
519-16th Street SE
Rochester, MN 55904
507/289-5108 (eves)

Date: Thu, 3 Sep 1998 16:28:36 EDT
From: RangerSF5@aol.com
To: qrp-l@Lehigh.EDU, qrp@qth.net, cw@qth.net
Subject: [19239] Need HELP!!
Message-ID: <e0f8a7a9.35eefbf4@aol.com>

Mime-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7bit

Hi Gang

I need the FIRST MFJ news letter.

I borrowed a book from a ham in V6 land untill I received my own book.

I have a feeling that I may have left the first issue in the book when I mailed it back as I tore this place apart and can't locate it.

Someone was nice enough to fax me the second issue and now I need info from the first issue.

Can anyone snail mail,upload or fax the first news letter to me?

My fax is 609-298-8544.

When the machine picks up,hit star-9.

I'm going back to digging and if I find it,i'll post

Thanks,

Bob

WA2HOQ

Date: Thu, 03 Sep 1998 14:01:57 -0700
From: Vic Rosenthal <rakefet@rakefet.com>
To: 70511.3041@compuserve.com
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [19240] Re: Help w/DX Call
Message-ID: <35EF03C5.2C70EE35@rakefet.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Wilford D. Lindsey wrote:

>

> Here's hoping someone can help :-). Today on 18.070.06 I heard an
> extremely fast DX operator from about 1900Z-1935Z.

Well, the DX Summit <<http://oh2aq.kolumbus.com/dxs/>> shows the following:

18070.6 JW/DJ3KR

1936 03 Sep

I wouldn't be surprised if that was it.

Vic, K2VCO

Date: Thu, 3 Sep 1998 17:05:06 -0400 (EDT)
From: Chris Cartwright <ccart@dns.vidtel.com>
To: QRP Reflector <qrp-l@Lehigh.EDU>
Subject: [19241] Dumb QSL Question
Message-ID: <Pine.LNX.3.93.980903165543.1408B-100000@dns.vidtel.com>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Last weekend I worked a station in North Africa on 20 SSB/QRP/M. After I got over my amazement of working him at all, I realized since I worked him on a 5KHz (or Kc) split, I have no idea what frequency to put on the card! Should it be my TX freq or his? Should I just "lose" a little precision and make it 14.22 instead of 14.220 or 14.225? Does it make any real difference? Or is this my punishment for using that mouse thingie you talk into that came with my DX70:) And I thought learning CW would be the hard part of the hobby... 72

-- Chris Cartwright, Technical Engineer | ccart@vidtel.com --
-- N3XRV ARRL-VE Norcal Zombie #163 | Gaithersburg, MD FM19je --
-- MDmW #5 NJ-QRP #105 QRP-L #655 NORCAL #1891 FISTS #5028 QRP-ARCI #9271 --

Date: Thu, 03 Sep 1998 16:59:50 -0700
From: Jack Sterba <kb9leb@geocities.com>
To: qrp-l@Lehigh.EDU
Subject: [19242] Car Battery
Message-ID: <35EF2D76.E2D@geocities.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Hello. Does anyone happen to know the power specs on a normal car battery (eg. Amp Hours mainly)??? Thanks in advance

--
Jack Sterba, KB9LEB
New Smyrna Beach, Florida
<http://www.geocities.com/SiliconValley/Lab/2266/>

Date: Thu, 3 Sep 1998 17:01:26 EDT
From: RangerSF5@aol.com
To: qrp-l@Lehigh.EDU, qrp@qth.net, cw@qth.net

Subject: [19243] Found it
Message-ID: <9796a9b8.35ef03a6@aol.com>
Mime-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7bit

Found the news letter and many thanks to the two persons who were fast on the
FAX
Bob
WA2HOQ

Date: Thu, 3 Sep 1998 14:02:05 -0700 (PDT)
From: Monte Stark <ku7y@dri.edu>
To: QRP-L <qrp-l@Lehigh.EDU>
Subject: [19244] NA Sprint
Message-ID: <Pine.SOL.3.96.980903135756.17352A-100000@vortex>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Hi Folks,

Here is what we have for a team so far. Still room for more
to play.

Some of these are first time Sprinters! Feel free to give
it a try.

N6GA
KU7Y
K5FO
K5TR
K7SS (Yes, this is the "Life's too short for QRP guy!") :-)
K0EVZ
N3XRV

Come join us if you can.

Thanks for the B/W,

73, Ron, SOWP 5545M,

.....KU7Y.....ARCI #8829.....Monte "Ron" Stark.....
....ku7y@sage.dri.edu.....Washoe Lake, Nevada....
....QRP-L #17...ARS #49...NorCal #330.....NRA LIFE.....

Date: Thu, 3 Sep 1998 14:12:49 -0700 (PDT)
From: Monte Stark <ku7y@dri.edu>
To: Chris Cartwright <ccart@dns.vidtel.com>
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [19245] Re: Dumb QSL Question
Message-ID: <Pine.SOL.3.96.980903141123.17352D-100000@vortex>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Hi Chris,

As a rule I only put the band on the card. My card has a box with MHz as a label and I just put in 14.

73, Ron, SOWP 5545M,

.....KU7Y.....ARCI #8829.....Monte "Ron" Stark.....
....ku7y@sage.dri.edu.....Washoe Lake, Nevada....
....QRP-L #17...ARS #49...NorCal #330.....NRA LIFE.....

Date: Thu, 3 Sep 1998 16:15:06 -0500
From: "Kevin Muenzler WB5RUE" <wb5rue@stic.net>
To: <ccart@dns.vidtel.com>
Cc: "'Low Power Amateur Radio Discussion'" <qrp-1@Lehigh.EDU>
Subject: [19246] RE: Dumb QSL Question
Message-ID: <19980903211509516.AAA288@muenzlerk>

When I work split I usually put both, i.e.. 14.220/14.225
Never had one refused.....actually it doesn't really matter, sometimes I just put "20-meters." It just depends on your "style." There is no real "rule" that states how you should fill one out.

Kevin, WB5RUE

> -----Original Message-----
> From: owner-qrp-1@Lehigh.EDU
> [mailto:owner-qrp-1@Lehigh.EDU]On Behalf Of
> Chris Cartwright

> Sent: Thursday, September 03, 1998 4:05 PM
> To: Low Power Amateur Radio Discussion
> Subject: Dumb QSL Question
>
>
> Last weekend I worked a station in North Africa on 20
> SSB/QRP/M. After I
> got over my amazement of working him at all, I realized since
> I worked him
> on a 5KHz (or Kc) split, I have no idea what frequency to put
> on the card!
> Should it be my TX freq or his? Should I just "lose" a
> little precison
> and make it 14.22 instead of 14.220 or 14.225? Does it make any real
> difference? Or is this my punishment for using that mouse thingie you
> talk into that came with my DX70:) And I thought learning CW
> would be the
> hard part of the hobby... 72
>
> -- Chris Cartwright, Technical Engineer |
> ccart@vidtel.com --
> -- N3XRV ARRL-VE Norcal Zombie #163 | Gaithersburg,
> MD FM19je --
> -- MDmW #5 NJ-QRP #105 QRP-L #655 NORCAL #1891 FISTS #5028
> QRP-ARCI #9271 --
>
>
>

Date: Thu, 3 Sep 1998 15:58:18 +0100
From: Denton Bramwell W7DB <Denton@Bramwell.Org>
To: "'qrp-l@lehigh.edu'" <qrp-l@Lehigh.EDU>
Subject: [19247] RE: Car Battery
Message-ID: <5103124387F8D11199DD00A0C925E4B91601@SQLMAILSERVER>
MIME-Version: 1.0
Content-Type: text/plain

Car batteries are a poor source of power for ham equipment. They are designed to have a lot of plate surface area, in order to deliver high current for a short time. The basic assumption of their design is that they will deliver 200 amps for several seconds to a minute, and that they will then be recharged. A single deep cycle of a modern automotive battery can permanently reduce its capacity by 20%. Marine/RV deep

cycle batteries go for more mass in the plates, and less surface area. Hence, they can supply more moderate currents for a long period of time, and be recharged many times. You can get a deep cycle battery, about the size of a lawn and garden tractor battery, with 40 AH capacity for about \$20-25. This will run even a 100 watt rig for longer than you'd probably want to spend out in the sun. When I use one of these, I carry it in a picnic cooler, and put about a cup of bicarb in the bottom of the cooler to sop up any droplets of sulfuric acid.

-----Original Message-----

From: Jack Sterba [mailto:kb9leb@geocities.com]
Sent: Thursday, September 03, 1998 6:00 PM
To: Low Power Amateur Radio Discussion
Subject: Car Battery

Hello. Does anyone happen to know the power specs on a normal car battery (eg. Amp Hours mainly)??? Thanks in advance

--

Jack Sterba, KB9LEB
New Smyrna Beach, Florida
<http://www.geocities.com/SiliconValley/Lab/2266/>

Date: Thu, 3 Sep 1998 15:25:33 -0700 (PDT)
From: Monte Stark <ku7y@dri.edu>
To: QRP-L <qrp-l@Lehigh.EDU>
Subject: [19248] NA Sprint, Exchange
Message-ID: <Pine.SOL.3.96.980903152230.17632F-1000000@vortex>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Hi all,

The exchange is different for stations calling CQ and for stations answering the CQ's.

Look at the example below. This way you can tell who will get the frequency next and tell if you already have him/her in the log.

cul,

73, Ron, SOWP 5545M,

.....KU7Y.....ARCI #8829.....Monte "Ron" Stark.....

....ku7y@sage.dri.edu.....Washoe Lake, Nevada....
....QRP-L #17...ARS #49...NorCal #330.....NRA LIFE.....

----- Forwarded message -----

Date: Thu, 3 Sep 1998 13:22:26 -0400 (EDT)
From: Tree N6TR <n6tr@teleport.com>
To: cq-contest@contesting.com
Subject: [CQ-Contest] More sprint musings

Today's topic is how to finish the QSO. This isn't typically a big deal in contests, but in the sprint, it can be.

The problem occurs when the person who is leaving the frequency does not confirm receiving the exchange from the station who is going to keep the frequency. This occurs during the following sequence:

STN A: CQ NA K7RAT K7RAT NA
STN B: k7rat de n6tr
STN A: N6TR K7RAT NR 1 BERT ORE
STN B: K7RAT NR 1 TREE ORE N6TR

At this point, it would be very nice if STN A would confirm receiving the exchange by sending something like "TU" or "dit-dit" or even "73".

In a normal contest, this is done by STN A saying something like "TU K7RAT TEST". But since STN A has to move at least 5 kHz before he can CQ again, this doesn't occur.

In the past, some of the big gun sprint operators would split once they had the QSO number (assuming they knew what the name and QTH were). This practice has been discouraged and there are now a number of people who will actually REMOVE THE QSO from the log if the confirmation isn't heard.

During February, it seemed that this practice was getting worse instead of better. As a result, there have been some discussion at the "Darewreck Bar" about removing ALL QSOs from logs that don't QSL the QSO. I think, instead, there will be a note made in the log when this occurs and the contest log checker can decide what to do about it.

It does put STN B in an odd position. If he feels like the QSO might not have taken place - he has two choices:

1. Leave the QSO in the log.

2. Remove the QSO.

If he removes the QSO, he will lose one QSO (since it isn't in his log any more). If he leaves it in, he might get to keep the QSO if the other station shows the QSO in their log (or doesn't send in a log), but runs the risk of losing the QSO later with a two QSO penalty if it doesn't appear in the other log.

If his doubt is 50 percent, he will be money ahead if he removes it.

Now the other station can lose the QSO and penalty instead!!

So - to avoid all of this, please be sure to stick around long enough to let the other guy know that you got the exchange.

On a different topic - sending BOTH callsigns in the exchange is required by the rules. This is the only contest I know of that requires this. It is necessary to make sure you are talking to who you think you are in all of the confusion.

73 and hope to see you on three bands

Tree N6TR / K7RAT

PS: For extra credit, can you figure out why STN A sent his callsign near the start of the exchange and STN B waited until the end??

tree@contesting.com

--

CQ-Contest on WWW: http://www.contesting.com/_cq-contest/
Administrative requests: cq-contest-REQUEST@contesting.com

Date: Thu, 03 Sep 1998 18:21:28 -0400
From: Ronald Hands <rhands@hwcen.org>
To: qrp-1@Lehigh.EDU
Subject: [19249] Re: [TenTec] Corsair II sidetone
Message-ID: <35EF1668.BD193AA7@hwcen.org>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Content-Transfer-Encoding: 7bit

Mike Manship wrote:

>

>

> Hmmmmm...I have a Corsair I and the sidetone sounds exactly as described
> by Jim. I wish it would have as clean a tone as the "spotting" tone.

One of the great advantages, I've found, from having a MFJ 784b
DSP filter is that it cleans all the fuzz off the Corsair II
sidetone, leaving a nice smooth note.

I imagine even a Radio Shack DSP would do the same thing.

-- Ron VE3SP

Date: Thu, 03 Sep 1998 18:31:47 -0400

From: David Fouchey <dafouche@jax-inter.net>

To: kb9leb@geocities.com, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>

Subject: [19250] Re: Car Battery

Message-ID: <3.0.1.32.19980903183147.007b4470@jax-inter.net>

Mime-Version: 1.0

Content-Type: text/plain; charset="us-ascii"

Depends on the car and the battery.. seriously they come in all sorts of
Amp/Hour capacities. What is the application you plan on using it for? If
as standby battery power for a 12 volt rig, you would do better with a
deep cycle marine type or heavy duty gell cell rather than the usual
automobile battery. In other words not enough info to give a
straightforward simple answer!

73's

Dave

WA4EMR

At 04:59 PM 9/3/98 -0700, Jack Sterba wrote:

>Hello. Does anyone happen to know the power specs on a normal car

>battery (eg. Amp Hours mainly)??? Thanks in advance

>--

>Jack Sterba, KB9LEB

>New Smyrna Beach, Florida

><http://www.geocities.com/SiliconValley/Lab/2266/>

>

>

>

Date: Thu, 03 Sep 1998 15:32:17 +0000
From: Roger Hightower <n7kt@earthlink.net>
To: ccart@dns.vidtel.com
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [19251] Re: Dumb QSL Question
Message-ID: <35EEB681.230FB246@earthlink.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

As far as QSLs go, all you need to indicate is the band, i.e. 14 MHz.
Any more precision than that doesn't mean anything, since your readout
and his may differ a bit.

--

72/73, de Roger, N7KT - QRP-L #62 - Mesa, AZ

Date: Thu, 3 Sep 1998 15:32:40 -0700 (PDT)
From: Fred Chen <fred@asl-labs.bc.ca>
To: Jack Sterba <kb9leb@geocities.com>
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [19252] Re: Car Battery
Message-ID: <Pine.D-G.4.02.9809031528560.8461-100000@asl7>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Thu, 3 Sep 1998, Jack Sterba wrote:

> Hello. Does anyone happen to know the power specs on a normal car
> battery (eg. Amp Hours mainly)??? Thanks in advance

Car batteries are generally 12V ranging from 60 Ah to 120 Ah. However,
they are not ideally suited for deep discharging and are designed to
provide enough current to start a car and then recharged immediately
by the alternator.

If you plan to discharge the battery often (running radios and such), get
a deep-cycle type battery. They are often called marine batteries.

Fred, VE7LNX

Date: Thu, 03 Sep 1998 15:35:33 -0700
From: Allan Taylor K7GT <k7gt@qsl.net>
To: qrp-1@Lehigh.EDU
Subject: [19253] RCVD: MRF237 specs. THANKS
Message-ID: <35EF19B5.5A08@qsl.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

I have had two qrp-1ers send me max voltage specs on the MRF237. Thanks to all.

For the record, 18V DC max collector - emitter, with a working max of 16V. 10 D cells come close but probably ok provided SWR isn't out of control.

--
73 de K7GT
Allan Taylor (a.k.a. Grant) Pleasanton CA
email: k7gt@qsl.net
web page: <http://www.qsl.net/k7gt/index.html>

Date: Thu, 3 Sep 1998 17:40:24 -0500 (EST)
From: bkobie@webtv.net (patrick obrien)
To: qrp-1@Lehigh.EDU
Subject: [19254] argonaut 509
Message-ID: <23848-35EF1AD8-4143@mailtod-132.iap.bryant.webtv.net>
Content-Type: Text/Plain; Charset=US-ASCII
Content-Transfer-Encoding: 7Bit
MIME-Version: 1.0 (WebTV)

does anyone own a argonaut 509, need to know the specs on the connection from the xcvr to a linear to supply the voltage to the linear, what voltage it is, the argonaut 509 had a specific connector for this, tnx 73 pat/k8len

Date: Thu, 03 Sep 1998 18:43:07 -0400
From: Paul Helbert <phelbert@rica.net>
To: kc5tja@topaz.axisinternet.com

Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [19255] Re: First Wireless Transmission Special Event
Message-ID: <35EF1B7B.10D333C@rica.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

There is a monument or historical marker about Mr. Loomis' work
somewhere in the territory that I regularly travel. Seems as it might
be in West Virginia near Terra Alta?

72, Paul, Wv3j (Over the mountains in the Shenandoah Valley of Virginia)

Date: Thu, 3 Sep 1998 18:41:43 -0400
From: "Wilford D. Lindsey" <70511.3041@compuserve.com>
To: //QRP-L Discussion Group <QRP-L@Lehigh.EDU>, "+Doc W.D. Lindsey/K0EVZ"
<70511.3041@compuserve.com>
Subject: [19256] [Re]Help w/DX Call--TKS!
Message-ID: <199809031845_MC2-584E-805C@compuserve.com>
MIME-Version: 1.0
Content-Transfer-Encoding: 7bit
Content-Type: text/plain; charset=us-ascii
Content-Disposition: inline

Gang:

Several guys responded to my plea for help. Thanks one and all (hope I
responded individually to each). But I wanted to brag on the list again.
What a great place for help and encouragement :-).

Good luck everyone in the Sprint this weekend. Hope to work every one of
you.

72/73,
--Doc Lindsey/K0EVZ Rochester, MN--Home of the Mayo Clinic.
MWBC
519-16th Street SE
Rochester, MN 55904
507/289-5108 (eves)

Date: Thu, 3 Sep 1998 17:43:42 -0500

From: kd5ckp_ars@juno.com (Tim Billingsley)
To: revinger@marshallonline.com, DNT1@chrysler.com
Cc: qrp-1@Lehigh.EDU
Subject: [19257] Re: FISTS what is it
Message-ID: <19980903.174353.3774.0.KD5CKP_ARS@juno.com>

.... and don't forget the

Slo-Chat

Sundays at 1700z es 2300z on 21.158
Also there is a group that meets weeknights on a regular basis at
21.158 at 0100z.

God bless es 73
Tim, FISTS 5201

Tim Billingsley KD5CKP FISTS #5201 Tech+ es hooked on CW
15 Meter Slo-Chat >>>-> <http://www.qsl.net/kd5ckp/slo-chat.htm>

You don't need to buy Internet access to use free Internet e-mail.
Get completely free e-mail from Juno at <http://www.juno.com>
Or call Juno at (800) 654-JUNO [654-5866]

Date: Thu, 3 Sep 1998 17:48:57 -0500
From: Chris Cieslak <ccieslak@LAW.UIUC.EDU>
To: "'qrp-1@lehigh.edu'" <qrp-1@Lehigh.EDU>
Subject: [19258] a big THANK YOU...
Message-ID: <9171552F3022D1118B9F00805FFEB54601485F6E@law-mail.law.uiuc.edu>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"

a big THANKS to everybody who replied regarding my question on cutting
enclosures.

I'll be on the air soon hopefully...

73 chris aa9hd

Date: Thu, 03 Sep 1998 18:57:28 -0400

From: Paul Helbert <phelbert@rica.net>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [19259] Re: Kits
Message-ID: <35EF1ED8.6FD28891@rica.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

My 1340 was straight forward in assembly, worked from the getgo and sounds great on transmit and receive. It is rock solid, stable, a bit heavy and the silk screening on the board could have been a bit better for my eyes. I replaced the antenna connector with a BNC to match all my other qrp rigs. Mine is a good radio.

Sorry about yours,

Paul, Wv3j

End of QRP-L Digest 1203

